CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Sept. 21	Norfolk, Va. ..... Adv. Aug. 26 to Sept. 16.	Aug. 26
Sept. 22	Richfield Springs, N. Y..... Adv. Sept. 9 and 16.	Sept. 9
Sept. 23	Wauseon, O.	Sept. 2
Sept. 27	Seattle, Wash.	Sept. 9
Oct. 11	Allentown, Pa. ..... Adv. Sept. 16.	Sept. 16
Oct. 14	Sacramento, Cal.	Sept. 16

SEWERS

Sept. 20	Long Island City, N. Y..	Sept. 16
Sept. 21	Grant City, Mo.	Sept. 9
Sept. 21	Paterson, N. J.	Sept. 16
Sept. 22	Brooklyn, N. Y.	Sept. 16
Sept. 30	Salt Lake City, Utah	Sept. 16
Oct. 4	Pontiac, Mich.	Aug. 26

BRIDGES

Sept. 20	Bonham, Tex.	Sept. 16
Sept. 21	Union, W. Va.	Sept. 2
Sept. 22	Monticello, Ga.	Sept. 9
Sept. 25	Farmville, Va	Sept. 9
Sept. 25	Hillsville Va.	Sept. 9
Sept. 30	New Orleans, La.	Aug. 26
Sept. 30	Wickenburg, Ariz.	Sept. 9

STREETS AND ROADS

Sept. 20	Vanceboro, N. C.	Sept. 2
Sept. 20	New Britain, Conn.	Sept. 9
Sept. 20	Long Island City, N. Y....	Sept 16
Sept. 20	Colorado	Sept. 16
Sept. 20	New York, N. Y.	Sept. 16
Sept. 20	St. George, S. I., N. Y....	Sept. 16
Sept. 20	Ft. Worth, Tex.	Sept. 16
Sept. 21	Eldorado, Tex.	Sept. 16
Sept. 21	Springfield, O.	Sept. 9
Sept. 21	New Orleans, La.	Sept. 9
Sept. 21	St. George, S. C.	Aug. 12
Sept. 21	Cimmarron, Kan.	Sept 9
Sept. 21	Willmar, Minn.	Sept. 9
Sept. 21	Maryland ..... Adv. Sept. 9 and 16.	Sept. 16
Sept. 21	Three Rivers, Mich.....	Sept. 16
Sept. 22	Charleston, W. Va.	Sept. 2
Sept. 22	Hampton, Ia.	Sept. 16
Sept. 23	Columbus, O.	Sept. 16
Sept. 24	Abilene, Tex	Sept. 9
Sept. 24	Girard, Kan.	Sept. 9
Sept. 24	Missouri	Sept. 16
Sept. 24	Harris, Tex.	Sept 16
Sept. 27	Quebec, Que.	Sept. 9
Sept. 28	Kaufman, Tex.	Sept. 2
Sept. 28	Kaufman, Tex.	Sept. 9
Sept. 28	Grand Rapids, Mich.	Sept. 16
Sept. 28	New York ..... Adv. Sept. 16.	Sept. 16
Sept. 28	New Orleans, La.	Sept. 16
Sept. 28	Maryland ..... Adv. Sept. 16.	Sept. 16
Sept. 30	Alabama	Sept. 16
Oct. 1	Nashvile, N. C.	Sept. 16
Oct. 6	Faribault, Minn.	Sept. 16
Oct. 15	San Benito, Tex.	Sept. 16

RAILWAYS

Oct. 1	Ontario	Sept. 16

EXCAVATION AND DREDGING

Sept. 18	Oskaloosa, Ia. ..... Adv. Sept. 9 and 16.	Sept. 9
Sept. 21	Jefferson, Ia.	Sept. 16
Sept. 21	Webster City, Ia.	Sept. 16
Sept. 21	Red Oak, Ia.	Sept. 16
Sept. 22	Wapello Ia. ..... Adv. Sept. 9 and 16.	Sept. 9
Sept. 22	Mankato, Minn.	Sept. 9
Sept. 22	St. Joseph, Mo.	Sept. 16
Sept. 23	Spirit Lake, Ia.	Sept. 16
Sept. 24	Burlington, Wis.	Sept. 16
Sept. 27	Eudora, Ark. ..... Adv. Sept. 2 to 16.	Sept. 2
Sept. 27	Helena, Ark.	Sept. 9
Sept. 29	Covington, Tenn.	Sept. 16
Oct. 1	Harvel, Ill.	Sept. 16
Oct. 1	Mason City, Ia.	Sept. 16

INDUSTRIAL WORKS

Sept. 20	Cleveland, O.	Sept. 16
Sept. 20	Detroit, Mich.	Sept. 16
Sept. 20	Monroe, Mich.	Sept. 16
Sept. 29	Buffalo, N. Y. ..... Adv. Sept. 16.	Aug. 26
Nov. 1	Webb City, Mo.	Sept. 16

BUILDINGS

Sept. 18	New Castle, Pa.	Sept. 16
Sept. 20	Brooklyn, N. Y.	Aug. 26
Sept. 20	Baltimore, Md.	Sept. 16
Sept. 20	Minneapolis, Minn.	Sept. 16
Sept. 20	Detroit, Mich.	Sept. 16
Sept. 21	Springfield, O.	Sept. 2
Sept. 21	Cheyenne Wells, Col.	Sept 16
Sept. 22	Wiota, Ia.	Sept. 2
Sept. 22	Sparrows Point, Md.	Sept. 16
Sept. 23	Liberty, Mo.	Sept. 9
Sept. 25	Port Chester, Pa.	Sept. 16
Sept. 27	Ebensburg, Pa.	Sept. 9
Sept. 27	New Orleans, La.	Sept. 9
Sept. 28	Elvins, Mo.	Sept. 16
Oct. 1	Granite City, Ill.	Sept. 2
Oct. 3	Canton, O.	Sept. 9
Oct. 4	Great Neck, N. Y. ..... Adv. Sept. 16.	Sept. 16
Oct. 12	Huron, S. D.	Sept. 2

FEDERAL GOVERNMENT WORK

Sept. 21	Sound Deadening Wall and Ceiling Covering—Wilmington, N. C.	Sept. 2
Sept. 21	Concrete Paving—Spec. 4296 —Mare Island, Cal.	Sept. 16
Sept. 22	Electric Traveling Cranes —Spec. 4239—Wash., D. C.	Sept. 16
Sept. 22	Water Supply Mains—Spec. 4200—Quantico, Va.	Sept. 16
Sept. 23	Refrigerating Machine — New Orleans, La.	Sept. 2
Sept. 25	Harbor Development—Spec. 4136—Great Lakes, Ill.	Aug. 19
Sept. 28	Surfacing — Albuquerque, N. M.	Sept. 16
Sept. 29	Drainage System — Spec. 4221 — Hampton Roads, Va.	Sept. 16
Sept. 29	Fleet Supply Storehouse— Spec. 4264—San Diego, Cal. ..... Adv. Sept. 16.	Sept. 16
Sept. 29	Electric Distributing System —Spec. 4286 — Brooklyn, N. Y. ..... Adv. Sept. 16.	Sept. 16
Sept. 30	Metal Work—Key West, Fla.	Sept. 2
Sept. 30.	Remodeling Post Office — Wilmington, N. C.	Sept. 16
Sept. 30	Earthwork—St. Louis, Mo. Adv. Sept. 9 and 16.	Sept. 16
Oct. 6	Quartermasters Storehouse —Spec. 4280 — San Diego, Cal.	Sept. 16
Oct. 11	Conduit, Dam, etc.—Norfolk, Va. ..... Adv. Sept. 16.	Sept. 16
Oct. 11	Dredging — Providence, R. I. ..... Adv. Sept. 16.	Sept. 16
Oct. 11	Steel Barges — Memphis, Tenn. ..... Adv. Sept. 16.	Sept. 16
Oct. 13	Hospital Buildings—Spec. 4300—San Diego, Cal....	Sept. 16
Oct. 14	Dump Scows—Phila., Pa..	Sept. 16
Oct. 30	Hoisting Plant—Wahington, D. C. ..... Adv. Sept. 16.	Sept 16

MISCELLANEOUS

Sept. 20	Sewer Cleaner—Lockport, N. Y.	Sept. 2
Sept. 20	Borings—Long Island City, N. Y.	Sept. 16
Sept. 21	Dam, Pump House, etc.— Norfolk, Va.	Aug. 26
Sept. 21	Rapid Transit—New York, N. Y.	Sept. 9
Sept. 21	Shafts—New York, N. Y.. Adv. Sept. 2 to 16.	Sept. 2
Sept. 22	Breakwater- Chicago, Ill..	Aug. 19
Sept. 24	Motor Trucks, etc.—New York, N. Y.	Sept. 16
Sept. 27	Well, Well House, etc.— Sioux Falls, S. D.	Sept. 9
Sept. 28	Crushed Trap Rock or Lime Ston—Kaufman, Tex.	Sept. 9
Sept. 29	Sanitary Work—Utica, N. Y. ..... Adv. Sept. 16.	Sept. 16
Sept. 30	Transformers, etc.—Sacramento, Cal.	Aug. 19
Sept. 30	Wall—Chatham, Ont.	Sept. 16
Oct. 1	Pumping Engine—Janesville Wis.	Sept. 9
Oct. 6	Laundry Equipment—Binghamton, N. Y. ..... Adv. Sept. 16.	Sept. 16
Oct. 6	Tunnels, Conduits, etc. — Marcy, N. Y. ..... Adv. Sept. 16.	Sept. 16
Oct. 13	Piles, Bulkhead, etc. — Brooklyn, N. Y. ..... Adv. Sept. 16.	Sept. 16
Oct. 13	Piers—Oswego, N. Y.... Adv. Sept. 16.	Sept. 16
Oct. 18	Locks—Chicago, Ill. ..... Adv Sept. 16.	Sept. 16

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Lawrenceville—Village applied to State Bd. of Conservation & Development, Trenton, for additional water supply of 24,000 gal. daily, from springs 5,000 ft. from here. J. E. Hullfish, dir.

Ia., New Market—City soon receives bids furnishing labor and material improving waterworks system, involving 18,730 lin.ft. 4-6 in. c.i. pipe, 8,480 lin.ft. 2 in. wrought iron, 13 fire hydrants, deep well pump and pump house, etc. About $36,000. E. T. Archer, New England Bldg., Kansas City, Mo., engrs.

Neb., Dannebrog—City soon receives bids building waterworks system, involving 9,450 ft. 4 in. c.i. pipe and 40,000 gal. tower. About $31,000. E. T. Archer & Co. New England Bldg., Kansas City, Mo., engrs.

Tex., San Benito—San Benito Water Co., recently organized, plans to install modern waterworks system. J. T. Lomax, C. G. Malott and B. M. Graeter, interested.

Waterworks (Continued)

Wash., Sumner—City soon receives bids laying new water mains and enlarging reservoir space at New Sumner Springs. About $75,000.

BIDS DESIRED

Pa., Allentown—Until Oct. 11, by M. W. Gross, mayor, Room 301, Central Fire & Police Station, furnishing and installing one 750 hp. steam turbine with reduction gears, one 12,000,000 gal. centrifugal pumping unit, one 500 hp. A.C. motor and one 3 stage 7,000,000 gal. centrifugal pump, etc., for pumping station; advertised in this issue.

Wash., Seattle—Until Sept. 27, (change of date) by city for 140,000 cu.yd. earth excav., and embankment work on new Volunteer Park Reservoir, cost $200,000. Ultimate plans call for lining reservoir, installing pipe and building walks, total expenditure $400,000. A. H. Dimock, city engr.

Cal., Sacramento—Until Oct. 14 (change of date), by M. J. Desmond, city clk., building intake and pumping works, also Contracts 3, 4, 5, 6, 7, 8, 9 and 10. Noted Aug. 19, under "Miscellaneous."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. J., Hightstown**—Boro. let contract building waterworks pumping station, to J. Proctor Co., 74 Cortland St., New York City, $45,000; 90 ft. steel water tower of 150,000 gal. capacity, to Pittsburgh-Des Moines Steel Co., Curry Blk., Pittsburgh, $15,165; furnishing filtration plant equipment and 2 horizontal steel pressure filters, to New York Continental Jewel Filtration Co., Flatiron Bldg., New York City, $8,000. Noted Aug. 26.

★**O., Cleveland**—Seltzer-Round Realty Co., 6512 Detroit Ave., let contract laying watermains in Runnymeade Ave., involving 4,500 ft. 8 in. c. i. pipe, to A. Marra, Illuminating Bldg. About $25,000.

★**Mich., Sprinkwells**—Village let contract furnishing labor and material laying 5,000 ft. 6 in. c.i. water pipes on Edwin, Eugene, Freud and E. & P. M. Aves., to connect with Detroit watermains, to Oakwood Constr. Co., 165 Fort Blvd., Detroit. About $15,000.

Sewers

PROPOSED WORK

Va., Richmond—City plans election to vote on $1,500,000 bonds to build sewers in various streets. C. E. Bolling, city engr.

O., Cleveland—City plans to build sewer in East 82nd St. from Superior to Euclid Aves., involving 1,200 ft. 11 ft. concrete sewer. About $80,000. R. H. Hoffman, 618 City Hall, engr.

Mich., Detroit—City plans to build sewer in Michigan Ave. from Seymour to Western Aves., involving 24 in. to 6 ft. cylinder, vitr. crock for 24 in. size and brick or concrete for other sizes. C. W. Hubbell, city engr. Noted Aug. 12.

Mich., Detroit—City having plans prepared building 1.25 mi. sewer in Bates St. from River to Alfred St., 13½ ft. in diameter at outlet and 9 ft. at north end, rein con. or brick. About $1,500,000. C. W. Hubbell, city engr.

Mich., Sault Ste. Marie—City having plans and estimates made by Hoad & Decker, engrs., Eng. Bldg., Ann Arbor, for sewerage system for south side district, to include vitr. crock extensions, outlet section, etc. About $25,000.

Ia., Mallard—City soon receives bids furnishing labor and material building sewers, sewage disposal plant, sand filter and sludge bed. About $50,000. E. T. Archer & Co. New England Bldg., Kansas City, Mo., engrs.

Ia., New Market—City soon receives bids building sewers in various streets, involving 15,570 lin.ft. 8-12 in. vitr. pipe, 38 manholes, 7 flush tanks, septic tank and sludge bed. About $64,000. E. T. Archer, New England Bldg., Kansas City, Mo., engrs.

Wis., Hartford—State Bd. Health recommended city to engage engineer to prepare estimates for new sewerage system. About $100,000. Engineer not selected.

Wash., Tacoma—City having plans prepared laying 5 ft. 3 in. pipe sewer along Main Ave. from Lincoln St. and branches on all main downtown streets. About $330,000. A. D. Butler, Tacoma, engr.

Ont., Sandwich East—Township plans to build intercepting sewer pumping station and sewage disposal plant, involving 32,500 ft. 8-24 in. pipe. About $200,000. M. Knowles, Ltd., Heintzman Bldg., Windsor, engr.

BIDS DESIRED

N. Y., Brooklyn—Until Sept. 22, by E. Reigelmann, boro. pres., furnishing labor and material building sewers in New Utrecht Ave. E. S., between 63rd and 65th Sts., 15th Ave. and 67th St., 68th St. and Bay Ridge Ave., 70th and 71st Sts., 16th Ave. and 75th St., 76th and 77th Sts., 17th Ave. and 80th St., New Utrecht Ave., W. S., between 79th St. and 17th Ave., New Utrecht Ave. between 77th and 78th Sts., 80th and 81st Sts., 71st St. between New Utrecht and 16th Aves., 17th Ave., E. S., between New Utrecht Ave. and 79th St., East 24th St. between Aves. N and O, Warehouse Ave. from Surf Ave. to point 575 ft. south, East 24th St. (Mansfield Pl.) between Aves. L and M, 82nd St. between 20th and 21st Aves.

N. Y., Long Island City—Until Sept. 20, by M. E. Connolly, pres. Queens Boro., building sewers and appurtenances in Lyon Ave. from Ditmars Ave. to Gilmore St., Butler St. from Lyon to Banks Aves., Curtis St. from Lyon to Banks Aves., Ericsson St. from Lyon to Banks Aves., Gilmore St. from Lyon to Astoria Aves., 39th St. from Junction to Hayes Aves. About $655,287.

N. J., Paterson—Until Sept. 21, by Passaic Valley Sewerage Comrs., 128 Market St., Newark, building Sect. 24 of Lowe St. branch intercepting sewer and Wood St. lateral sewer. Item 1 involves 1,170 lin.ft. earth excav. and refilling for 12 in. vitr. pipe with concrete reinforcement (including pipe); Item 2, 180 cu.yd. concrete masonry with Portland cement mortar in open excav.; Item 3, 50 cu.yd. brick masonry and appurtenant work in manholes, etc.; Item 4, 10 cu.yd. rock excav. in trench; Item 5, excav. and refilling for insertion of special structures in local sewers; Item 6, furnishing and installing 1 set sewage regulating apparatus; Item 7, furnishing and erecting 2 sets back-water gates in local sewers; Item 8, 6,000 lb. steel for concrete reinforcement. Cost to exceed $25,000. J. H. Quigg, clk.

Utah, Salt Lake City—Until Sept. 30, by city, extending 2 sewers, involving 64,000 ft. 8-21 in. 1st class vitr. and concrete pipe. About $310,000. S. Q. Cannon, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Portland**—City let contract building Sect. 4, Fall Brook Branch Sewer, vitr. pipe, to R. Aceto, 76 Anderson St. About $25,000. Noted Aug. 26.

★**Mass., West Springfield** (Springfield P. O)—Town let contract building sewerage system in South Union and Palmer Sts., to C. D. Farnsworth Co., 16 Union St. About $51,000. Noted Aug. 26.

★**Conn., Waterbury**—City let contract building vitr. sewers in Meriden Rd. from Mill Plain School to Eastwood Ave., to Barbara & D'Aurio Co., 63 Bank St., $6.96 per lin.ft. Cost to exceed $25,000. Noted Mar. 11.

O., Cleveland—City received bids building sewer in Luke Rd. extension, from Amato Constr. Co., 345 The Arcade, $34,393; A. Joseph, 1200 Bolivar Rd., $36,598; J. J. Doneley, 1251 East 84th St., $37,169.

Mich., Detroit—City received bids furnishing labor and material (except iron manhole rings and covers) building vitr. crock sewers as follows: (a) 1,469 ft. Lateral 3,325, 12-24 in. crock, (b) 4,660 ft. 3,337, 12-15 in., (3) 327 ft. 3,338, 12 in., (d) 2,849 ft. 3,339, 12-20 in. (e) 583 ft. 3,340, 12 in., (f) 1,071 ft. 3,342, 12-15 in., (g) 2,830 ft. 3,343, 12-20 in., (h) 5,391 ft. 3,344, 12-20 in., (i) 3,143 ft. 3,345, 12-20 in., (j) 5,824 ft. 3,347, 12-18 in., from S. Duponovich, 400 Penobscot Bldg., (a) $8,114, (c) $1,026, (e) $2,264; R. D. Baker, Penobscot Bldg., (b) $33,900, (g) $22,900, (h) $38,780, (j) $43,770; J. S. Vintrelle, 400 Penobscot Bldg., (c) $1,823; Western Constr. Co., 1208 Ford Bldg., (d) $19,700, (g) $18,858, (h) $24,866, (i) $17,356, (j) $31,702; Liberty Constr. Co., 917 Chamber of Commerce Bldg., (e) $2,830, (f) $4,604.

★**Mich., Detroit**—City let contract to A. H. Haynes, 70 Davenport St., furnishing labor and material for building Lateral Sewer 3,302, $4,350; to N. Mancini, 580 Concord Ave., 3,307, $11,100, 3,324, $29,000; to Lennane Bros., 809 Union Trust Bldg., 3,309, $23,029, 3,322, $26,970; to Oakwood Constr. Co., 165 Fort Blvd., 3,311, $11,770, 3,312, $8,180, 3,323, $43,500, 3,328, $17,606, 3,329, $14,600, 3,331, $14,621; to Liberty Constr. Co., 917 Chamber of Commerce Bldg., 3,321, $15,683; to R. D. Baker, 1454 Penobscot Bldg., 3,327, $5,850, 3,330, $14,600; to Western Constr. Co., 1208 Ford Bldg., 3,332, $53,566, 3,181, $20,371; to Lennane & McIlvenna, 1205 Book Bldg., 3,232, $11,750. Noted July 15 and 29.

Bridges

PROPOSED WORK

Vt., Sherburn—Town plans to build concrete bridge over Stony Branch. About $25,000. Address H. M. McIntosh, Montpelier, state engr.

N. Y., Buffalo—Niagara Bridge & Tunnel Co. plans to build steel span railroad, trolley and foot bridge from here to Bridgeburg, Ont. About $4,000,000. Plans may be secured from G. W. Kittredge, engr. New York Central R.R., Grand Central Terminal, New York City.

N. J., Jersey City—Hudson Co. Bldg. Comn. rejected bids for repairing bridge over Pennsylvania R.R. tracks. New bids in spring. Noted Aug. 26.

N. J., Jersey City—Pennsylvania R.R. Broad St. Sta., Phila., plans to build new bridge over tracks on Tonnelle St., here. About $25,000. A. C. Shand, ch. engr.

Ala., Montgomery—Louisville & Nashville R.R., 9th Ave. and Bway., Louisville, Ky., plans to build 3 span bridges over Alabama River, near here. W. H. Courtenay, ch. engr.

Wis., Neillsville—City having plans prepared for 224 ft. steel truss bridge, 20 ft. wide, on Grand Ave. Wisconsin Highway Comn., Madison, engrs.

Missouri—State Highway Dept., Jefferson City, plans to build rein.-con through girder superstructure and 2 rein.-con. abutments, over Jordans Creek, on Sta. 803 plus 70 of Preston-Collins Rd., Federal Aid Project 86, to have one 40 ft. span, 18 ft. roadway, involving 33.2 cu.yd. 1, 2 and 4 concrete, 13,960 lb. reinforcing steel; rein.-con. slab superstructure, 2 rein.-con. abutments and 1 pier, over Turkey Creek, on Sta. 150 plus 65, Federal Aid Project 69, Hickory Co., to have two 16 ft. spans, 18 ft. roadway, 3.3 cu.yd. Class "A" and 86.1 cu.yd. Class "B" concrete, 5,650 lb. reinforcing steel; rein.-con. skew through girder superstructure, 2 rein.-con. abutments, on Sta. 155 plus 40, to have one 30 ft. span, 18 ft. roadway, 122 cu.yd. 1:2:4 concrete, 10,290 lb. reinforcing steel; rein.-con. slab superstructure, 2 rein.-con. abutments and 3 concrete piers, on Sta. 70 plus 85, to have four 20 ft. spans, 18 ft. roadway, 7.8 cu.yd. 1:2:3 and 396.6 cu.yd. 1:2:4 concrete, 26,180 lb. reinforcing steel, both on above project; one 74 ft. 2 in. pony truss span and 2 mass concrete abutments, 18 ft. roadway, over Drainage Ditch, on Sta. 401, Federal Aid Project 5, Scott Co., 28.6 cu.yd. 1:2:3 and 89 cu.yd. 1:3:5 concrete, 530 lb. reinforcing and 18,000 lb. fabricated structural steel, 8,150 ft. lumber; one 70 ft. pony truss and 2 mass concrete abutments, 18 ft. roadway, over St. Johns Drainage Ditch, on Sta. 266 plus 30, 23.7 cu.yd. 1:2:3 and 51.2 cu. yd. 1:3:5 concrete, 300 lb. reinforcing and 34,500 lb. fabricated structural steel, 6,800 ft. lumber; one 38 ft. I beam superstructure and 2 mass concrete abutments, 18 ft. roadway, over Ash Slough Drainage Ditch, on Sta. 26 plus 40, 24 cu.yd. 1:2:3 and 72.6 cu.yd. 1:3:5 concrete, 460 lb. reinforcing and 17,200 lb. structural steel, 4,100 ft. lumber; one 50 ft. pony truss and 2 mass concrete abutments, 18 ft. roadway, over Drainage Ditch on Sta. 11, 68.4 cu.yd. 1:3:5 and 21.4 cu.yd. 1:2:3 concrete, 490 lb. reinforcing and 23,300 lb. fabricated structural steel, 5,000 ft. lumber; all on above project.

BIDS DESIRED

O., Cleveland—Goff-Kirby Coal Co., Electric Bldg., receiving bids building 1,200 ft. concrete and wood overhead trestle on East 39th St. and Payne Ave. About $40,000. Private plans.

Tex., Bonham—Until Sept. 20, by Bd. Dir. Bonham Red River Bridge Co., building 4 spans suspension bridge over Red River, 2,500 ft. long, 20 ft. wide. About $300,000. F. M. Cortelyou, Kansas City, Mo., engr. Noted Sept. 2.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Biddeford**—Comrs. York Co. let contract building Bradbury Bridge, rein.-con., 45 ft. wide, on Elm St., to Rendle-Stoddard Co., 321 Marginal St., Chelsea, Mass., $128,250, (175 days) Noted Sept. 2.

★**Vt., Brattleboro**—Town let contract building 330 ft. single span steel bridge over Connecticut River, to United Constr. Co., 24 James St., Albany, N. Y. About $69,000. Noted June 3.

★**Vt., Wheelock**—Town let contract building concrete bridge over Millers Run River, to W. E. Dix Corp., Springfield. About $25,000.

Bridges (Continued)

Pa., Harrisburg—State Bd. Pub. Grounds & Bldgs. received lowest bid Sept. 1 building Soldiers' & Sailors' Memorial Bridge, steel and concrete, in Capitol Park, from Central Constr. & Supply Co., Commonwealth Trust Bldg. About $4,500,000. Noted Aug. 26.

O., Akron—Summit Co. let contracts building State St. bridge in Barberton to Hobey & Faunier, Akron, $20,500; Munroe Falls bridge, over Munroe Falls, to N. R. Porterfield, Youngstown, $40,000.

Missouri—State Highway Dept., Harrisonville, received bids Sept. 1, from Western Bridge Co., Harrisonville, building rein.-con. deck girder superstructure and 2 rein.-con. abutments, on Sta. 6 plus 03, to have one 24 ft. span, 18 ft. roadway, involving 2.6 cu.yd. Class "A" and 116.1 cu.yd. Class "B" concrete, at $90 and $36 respectively, 10,400 lb. reinforcing steel, $0.07, cost $5,195; rein.-con. deck girder superstructure, 2 rein.-con. abutments and 1 concrete pier, on Sta. 118 plus 60, to have two 28 ft. spans, 18 ft. roadway, 5.5 cu.yd. Class "A," 190.9 cu.yd. Class "B" and 58.3 cu.yd. Class "C" concrete, $75, $32 and $25 respectively, 21,520 lb. reinforcing steel, $0.07, $10,107; rein.-con. spandrel filled arch bridge, on Sta. 137 plus 40, to have two 50 ft. spans, 18 ft. roadway, 13.9 cu.yd. Class "A" and 421.2 cu.yd. Class "B" concrete, $60 and $35.40 respectively, 42,420 lb. reinforcing steel, $0.07, $18,714, all on Sect. A, Federal Aid Project 20. Noted Aug. 26, under "Streets and Roads."

Ia., Pocahontas—Pocahontas Co. received bids Sept. 2, building Group 1, (consisting of items 1, 2, 3, 8, 9 and 10), three 16 x 16 ft., one 16 x 22 ft., and one 16 x 32 ft. I-beam bridges and one 16 x 50 ft. pony truss bridge; Group 2, (items 4, 5, 6 and 7) one 16 x 50 ft., one 20 x 50 ft. and two 20 x 55 ft. pony truss bridges, from C. L. Schouboe, 1543 33rd St., Des Moines, (1) $25,055; G. F. Lambert, 715 21st St., Des Moines, (1) $26,085, (2) $35,608; F. E. Marsh & Co., Jefferson, (1) $26,450, (2) $35,600; Vinton Eng. & Constr. Co., Vinton, (1) $31,214. Noted Aug. 26.

Kan., Topeka—Shawnee Co. received bids Sept. 3, building 130 ft. span rein.-con. rainbow arch bridge, 20 ft. roadway, near Wakarusa, from N. E. Marsh & Co., 205 Masonic Temple, Des Moines, Ia., $38,751; C. C. Clark, Leavenworth, $40,800; F. Littlejohn, Topeka, $57,464. Noted Aug. 26.

N. D., Mott—Hettinger Co. received bids building two 75 ft. span rein.-con. rainbow arch bridge, 20 ft. roadway and one 5 ft. sidewalk, involving 598 cu.yd. rein.-con., 29.4 ton steel, and 2,320 lin.ft. wood piling, from J. D. Beery, Mott, $40,181; Iowa Bridge Co., 812 Hubbell Bldg., Des Moines, Ia., $45,798; Fargo Bridge Co., Fargo, $54,355.

Streets and Roads

PROPOSED WORK

N. Y., Brooklyn—E. Reigelman, boro. pres., received no bids Aug. 25, regulating and repaving Ralph Ave. Noted Sept. 2.

N. Y., Brooklyn—E. Riegelmann, boro. pres., rejected bids Aug. 25th, regulating and repaving East 7th and 64th Sts. Work will be readvertised. Noted Sept. 2.

N. Y., New York—H. H. Curran, pres. Manhattan Boro., rejected bids Aug. 24 improving roadway of 48th and 49th Sts. Noted Aug. 19.

N. J., Camden—Bd. Freeholders, Camden Co., receives bids about Sept. 28, improving 3 mi. Kings Highway, concrete. J. J. Albertson, Magnolia, engr.

N. J., Mays Landing—Bd. Freeholders, Atlantic Co., plans to rebuild 9 mi. of boulevard between Absecon and Chestnut Neck. A. H. Nelson, Guarantee Trust Bldg., Atlantic City, engr.

N. J., Morristown—Bd. Freeholders, Morris Co., plans to improve 14 mi. Morris Turnpike. About $700,000. H. W. Vetter, Belvidere, engr.

N. J., North Bergen (Weehawken P. O.)—City having plans and specifications made for paving 31st St., bituminous. Cost to exceed $75,000. P. F. Daly, 32nd St., engr.

N. J., Trenton—City plans to build 1.25 mi. street over Assanpink Creek from State St. to Nottingham Way, also place flume in stream. A. Swan, city engr.

Minn., Aitkin—Aitkin Co. rejected bids Sept. 7, grading 9 mi. Federal Aid Project 149, State Rd. 3, involving 10 acres clearing, 13 acres grubbing, 38,153 cu.yd. excav., 113,252 cu.yd. overhaul, 487 lin.ft. 15-36 in. sectional concrete cover culverts, 163 cu.yd. concrete in culverts, removal of 2 old bridges, etc. F. J. O'Hara, Aitkin, engr. Noted Aug. 12.

Minn., Duluth—City plans to pave 6,900 ft. Superior St. from 8th Ave. W. to 3rd Ave. E., concrete, cost $180,000; 12,320 ft. Woodland Ave. from 4th St. E. to Austin St., asphalt, $200,000; 9,200 ft. East Superior St. from 3rd Ave. E to 23rd Ave. E., concrete, $150,000; 7,580 ft. 2nd St. from 5th Ave. W. to 13th Ave. E., concrete, $125,000; 24,380 ft. London Rd. from 8th Ave. E. to 61st St. E., concrete, $200,000. E. K. Coe, city engr.

Minn., Two Harbors—Lake Co. soon receives bids grading 14 mi. road from Finland to Ely. About $55,000. H. C. Hanson, Two Harbors, engr.

Neb., Pawnee City—City having preliminary plans prepared for paving 25 blocks, 30-60 ft. wide, vitr. brick. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Neb., Wisner—City soon receives bids building 32 blocks various streets, 24-70 ft. wide, involving 20,000 sq.yd. vitr. brick. About $330,000. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Missouri—State Highway Dept., Jefferson City, plans to build 7 mi. Carthage-Springfield Rd., 24 ft. wide, involving 39,320 cu. yd. earth and 650 cu.yd. rock excav., one 36 ft. span bridge, and 1 bridge to have three 18 ft. spans, cost $31,818; 31.5 mi. Oklahoma-St. Louis Rd., 24 ft. wide, both in Green Co., 88,754 cu.yd. earth excav., 42,040 sq.yd. 4 in. x 16 ft., 112,116 sq.yd. 5 in. x 16 ft., and 70,043 sq.yd. 8 in. x 16 ft. macadam, 45,760 sq.yd. 8 in. x 12 ft. gravel surfacing, 14 culverts and extensions to 8 old culverts, $143,182.

Missouri—State Highway Dept., Palmyra, received no bids Aug. 21, improving 10.26 mi. Sect. A, Hannibal-West Ely Div. of Pikes Peak Ocean to Ocean Highway, 24 ft. wide, Federal Aid Project 62, Marion Co., $78,609; building culverts on Sect. B, $11,434; rein.-con. through girder superstructure, over Bear Creek, on Sta. 265 plus 12, on above project, to have one 40 ft. span, 18 ft. roadway, $7,475; rein.-con. skew through girder superstructure, over Bear Creek, on Sta. 408 plus 22, to have one 40 ft. span, 18 ft. roadway, $6,835; rein.-con. through girder superstructure, over Minow Branch, on Sta. 14 plus 52, to have one 40 ft. span, 18 ft. roadway, $7,365. Noted Aug. 12.

Mo., Milan—City soon receives bids paving 10 streets, 30-60 ft. wide, involving 14,000 sq.yd. vitr. brick on 3 in. concrete base. About $96,000. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Mo., Unionville—City plans to pave 15 streets, 18-51 ft. wide, involving 24,000 sq.yd. vitr. brick on 3 in. concrete base. About $150,000. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Tex., San Antonio—City soon receives bids surfacing and paving 5 mi. Rock Quarry Rd. and Kendall St., 16 ft. wide, asphalt. H. Helland, city engr.

Tex., Texarkana—City issued $300,000 bonds to pave main streets.

Okla., Sulphur—City had plans prepared furnishing labor and material paving various streets, involving 8,000 sq.yd. brick and 56,000 sq.yd. rock asphalt on 4 in. concrete base. About $300,000. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Colorado—State Highway Dept., Denver, plans to grade .89 mi. Colorado-Springs-Canon City Rd., State Route 22, 28 ft. wide, Fremont Co., cost $39,500; 12 mi. Cotchetopa Pass Rd., 28 ft. wid, Saguache Co., $53,000; grade and surface 11 mi. road from El Paso Co. line to Florence, State Route 9, 28 ft. wide, Sedgwick Co., involving 11,000 yd. gravel, $69,000.

Col., Denver—City plans to pave 12 blocks in Alley Paving Dist. 59, involving 11,500 sq.yd. 6 in. concrete, cost $28,912; 11 blocks in Alley Paving Dist. 60, 8,300 sq.yd. concrete, $22,942. J. B. Hunter, city engr.

Ont., Ottawa—Bd. Control soon receives bids paving Carling Ave. from Fisher to Merivale Aves., cost $15,100; King Edward Ave. from Mann Ave. to Somreset St., $24,300; Augusta St. from Rideau to Wilbrod Sts., $15,600; Coburg St. from Rideau to Wilbrod Sts., $17,400; and Somerset St. from Nicholas St. to Range Rd., $59,800, all asphalt. A. F. Macallum, city engr.

BIDS DESIRED

New York—Until Sept. 28, by F. S. Greene, state highway comr., 55 Lancaster St., Albany, completing 8.85 mi. highway in Essex Co.; 3.96 mi. Greene Co.; 2.99 mi. Nassau Co.; .59 and .5 mi. Rockland Co. and 9.57 mi. Suffolk Co.; advertised in this issue.

N. Y., Long Island City—Until Sept. 20, by M. E. Connolly, pres. Queens Boro., regulating and grading gutters and setting curbs on Arcadia Ave. from 14th to 16th Aves.; regulating, grading, curbing and laying sidewalks and gutters on Havemeyer St. from 51st St. to Peartree Ave. and Peartree Ave. from Kingsland to Roosevelt Aves.; regulating and repaving with asphaltic concrete Rockaway Blvd. from Nortons Creek to Cronins Crossing, Strongs Causeway from Colonial Ave. to North Hempstead, Shell Rd. from Jackson Ave. to 20th St., Elmhurst, Cooper Ave. from Myrtle Ave. to Montauk Div. of Long Island R.R.; sheet asphalt on concrete foundation, Bridge Plaza North and South from Crescent St. to point 100 ft. east of Radde St., 8th Ave. from Graham to Jamaica Aves., 1st Ave. from Bway. to Grand Ave., Prospect St. from Bridge Plaza North to Payntar Ave.; improved granite block on concrete foundation, Bridge Plaza from point 100 ft. east of Radde St. to Jackson Ave., Bridge Plaza North and South within line of Crescent St., College Point Causeway from 9th Ave. to point 850 ft. south, Lawrence St. from Bway. to Myrtle Ave. About $878,000.

N. Y., New York—Until Sept. 20, by Armory Bd., City Hall, laying asphaltic mastic floor, installing ash conveyor and completing lighting fixtures, 8th Coast Artillery Defense Command Armory, Jerome Ave. and Kingsbridge Rd., Bronx; completing lighting fixtures and for fixed seating in Drill Shed, Squadron "A" Armory, 94th St. and Park Ave.; underpinning northwest corner, 14th Regiment Armory, 8th Ave. and 15th St., Brooklyn; altering, overhauling, installing shower baths, etc., 12th Regiment Armory, 62nd St. and Columbus Ave.; rebuilding curb wall, coal vault, etc., south side of 34th St., 71st Regiment Armory.

Maryland—Until Sept. 21, by State Rd. Comn., 601 Garrett Bldg., Baltimore, paving 2.28 mi. road from Frederick Rd. at Haugh's blacksmith shop to Ijamesville (Contr. F-39) Frederick Co., 2.55 mi. road from Grove to Fowling Creek (Contr. Co-39), Caroline Co., both concrete. J. N. Mackall, chn.; advertised in this issue.

Maryland—Until Sept. 28, by State Rd. Comn., 601 Garrett Bldg., paving Falls Rd. from Ridge Church 1 mi. south, (Contr. B-40) Baltimore Co.; 1.53 mi. road from end of Contr. P-17 along Central Ave. toward Halls Sta., (Contr. P-23), Prince George Co.; 1.5 mi. Defence Highway from end of Contr. P-16-A toward Lanham, (Contr. P-22), Prince George Co., all concrete. J. N. Mackall, chn.; advertised in this issue.

Maryland—Until Sept. 28, by State Rds. Comn., 601 Garrett Bldg., Baltimore, building one section State Highway from Rock Hall Ferry Landing to 1 mile toward Rock Hall, concrete, Kent. Co., Cont. K-14; advertised in this issue.

N. C., Nashville—Until Oct. 1, by Bd. Aldermen, paving various city streets; advertised in this issue.

Alabama—Until Sept. 30, by State Highway Dept., Montgomery, building 12.05 mi. chert and gravel road between Florence and Tennessee state line, involving 49.4 acres clearing and grubbing, 86,059 cu.yd. earth and 1,000 cu.yd. rock excav., 439.8 cu.yd. Class "A" and 250.78 cu.yd. Class "B" concrete, 11,300 cu.yd. gravel, 17,000 cu.yd. chert, and 1,190 lin.ft. 18-24 in. pipe; grading, surfacing and draining 5.44 mi. road between Girard and Tuskogee, Russell Co., involving 4.3 acres clearing, and grubbing, 21,405 cu.yd. excav., 16.1 cu.yd. Class "A" and 82.08 cu.yd. Class "B" concrete, 13,407 cu.yd. sand-clay surfacing, and 150 lin.ft. 4 in. tile, and 894 lin.ft. 18-24 in. pipe. About $200,000 and $55,000 respectively. W. S. Keller, state highway engr.

La., New Orleans—Until Sept. 28, by city, paving 24,600 yd. Magazine St., 3,000 yd. Callipoe St. and 2,250 yd. Gayoso St., small granite block, vitr. brick or block, or

Streets and Roads (Continued)

creosoted wood block; 7,400 yd. North Clairborne Ave., and 4,330 yd. Julia St., bitulithic, bituminous concrete, refined Trinidad Lake asphalt, sheet asphalt or creosoted wood block, 29,866 yd. Algiers Outfall Canal Rd., 6,600 yd. General Meyer St., 4,444 yd. Behrman Ave., 38,000 yd. Stanton Beka Rd. and 16,000 yd. Elmira St., concrete, clay, gravel or chert. W. B. Davey, city engr.

O., Columbus—Until Sept. 23, by Comrs. Franklin Co., grading, draining and paving 1.17 mi. Sect. 1 Hess Rd., 16 ft. wide, waterbound macadam. About $32,467. C. C. Lathimer, co. engr. Noted Aug. 19.

Michigan—Until Sept. 21, by State Highway Dept., at office of City Clerk, Three Rivers, grading and surfacing .714 mi. State Trunk Line Rd. 13-17, Sect. A. 20 ft. wide, involving 8,386 sq.yd. concrete and 1,230 cu.yd. earth excav. State Highway Dept., Lansing, engr.

Mich., Grand Rapids—Until Sept. 28, by Bd. Rd. Comrs. Kent Co., grading, draining and surfacing 3.647 mi. State Trunk Line Rd. 44-3, 16 ft. wide, involving 26,712 cu.yd. earth excav., 34,236 sq.yd. gravel, etc. State Highway Dept., Lansing, engrs.

Ia., Hampton—Until Sept. 22, by Comrs. Franklin Co., surfacing 9.84 mi. various roads, involving 51,209 cu.yd. excav., 55,048 lin.ft. 6-12 in. tile, 14,766 cu.yd. gravel surfacing, etc. F. S. Currie, Hampton, engr.

Minn., Faribault—Until Oct. 6, by Rice Co., graveling 7 mi. Job 1901, involving 30,634 cu.yd. gravel and 12.6 mi. Job 1903, 35,260 cu.yd. gravel. About $75,000. P. L. Hazard, Faribault, engr.

Missouri—Until Sept. 24, by State Highway Dept., New London, building 5.32 mi. Sect. A, Red Ball Route, Federal Aid Project 66, 26 ft. wide, Ralls Co., involving 18,084 cu.yd. earth and 1,640 cu.yd. rock excav., 14,943 cu.yd. borrow, 500 cu.yd. per 100 ft. overhaul, 194.5 cu.yd. Class "B" concrete masonry, 11,511 lb. reinforcement for concrete masonry, 37,525 sq.yd. gravel pavement specification B, cost $47,885; also rein.-con. slab superstructure and 2 mass concrete abutments, on Sta. 79 plus 06, on London-Perry Rd., to have one 20 ft. span, 18 ft. roadway, 2.1 cu.yd. Class "A," 29.3 cu.yd. Class "B" and 41 cu.yd. Class "C" concrete, 3,307 lb. reinforcing steel, $2,268; rein.-con. slab superstructure and 2 mass concrete abutments, on Sta. 97 plus 92, on London-Perry Rd., to have one 20 ft. span, 18 ft. roadway, 2.1 cu.yd. Class "A," 29.3 cy.yd. Class "B" and 37.3 cu.yd. Class "C" concrete, 3,378 lb. reinforcing steel, $2,178.

Missouri—Until Sept. 24, by State Highway Dept., New London, building 4.11 mi. Sect. A, London-Perry Rd., 24 ft. wide, Federal Aid Project 64, involving 21,700 lin. ft. grading, 28,983 sq.yd. gravel pavement specification "C," 56.8 cu.yd. Class "B" masonry, 3,674 lb. reinforcement for concrete masonry, cost $20,662; 5.57 mi. Sect. A, London-Perry Rd., 24 ft. wide, Federal Aid Project 67, 29,400 lin.ft. grading, 39,407 sq.yd. gravel pavement specification "C," 30.9 cu.yd. Class "B" concrete masonry, 2,000 lb. reinforcement for concrete masonry, $26,339; 3.35 mi. Sect. A, London-Perry Rd., 26 ft. wide, Federal Aid Project 63, 17,700 lin.ft. grading, 23,600 sq.yd. gravel pavement, specification "C," 15.9 cu. yd. Class "B" concrete masonry, 1,300 lb. reinforcement for concrete masonry, $15,644; 4.58 mi. Sect. A, London-Perry Rd., 26 ft. wide, Federal Aid Project 65, all in Ral's Co.; 24,400 lin.ft. grading, 32,291 sq.yd. gravel pavement specification "C," 24.1 cu.yd. Class "B" concrete masonry, 1,128 lb. reinforcement for concrete masonry, $21,424.

Tex., Eldorada—Until Sept. 21, by C. A. Womack, judge Schleicher Co., grading, surfacing and building culverts on 4.01 mi. Highway 4 south from here, 16 ft. wide, involving 3,562 cu.yd. borrow and 9,553 cu.yd. earth excav., 21.55 cu.yd. Class "A" and 13.6 cu.yd. Class "C" concrete, etc. $88,626. R. Stevenson, Eldorado, engr.

Tex., Ft. Worth—Until Sept. 20, by W. E. Yancy, aud. Tarrant Co., grading and draining 8.74 mi. White Settlement Rd. from Five-Mile Bridge to Parker Co. line; Arlington-Grapevine Rd. from Sta. 175 plus 81 to Sta. 273 plus 50, 1.76 mi. from Trinity River north to Rock Island R.R.

Tex., Paris—Until Sept. 24, by W. L. Hutchinson, judge Lamar Co, grading and building rein.-con. bridges and culverts on 22.16 mi. Highway 19 from Delta Co. to Oklahoma state line, 24 ft. wide, involving 7.82 acres clearing and grubbing, 173,178 cu.yd. borrow, 128,274 lb. reinforcing and 16,059 lb. structural steel, 1,141 cu.yd. Class "A," 280.8 cu.yd. Class "B" and 24.3 cu. yd. Class "C" concrete, etc., cost $141,130; 27.7 mi. Highway 5 from Fannin Co. to Red River, 24 ft. wide, 29.6 acres clearing and grubbing, 165,068 cu.yd. earth borrow and 1,000 cu.yd. solid rock excav., 159,593 lb. reinforcing and 68,400 lb. structural steel, 1,619 cu.yd. Class "A" and 668.5 cu.yd. Class "B" concrete, $144,314; 4.85 mi. Highway 5 through here, 16 ft. wide, 6,790 cu.yd. borrow and 4,926 cu.yd. earth excav., 45,511 sq.yd. bituminous macadam, 12,641 cu.yd. crushed stone, 34,134 lin.ft. scarifying and 51,200 lin.ft. concrete curb, $172,477; 6.85 mi. Highway 19, east and west of here, 16 ft. wide, 14,000 cu.yd. borrow and 4,507 cu.yd. unclassified earth excav., 34,146 lin.ft. scarifying, 45,527 sq. yd. bituminous macadam, 51,218 lin.ft. concrete curbing, 101.6 cu.yd. Class "A" concrete, 7,049 reinforcing steel, and 12,646 cu.yd. crushed stone surfacing, $173,769.

Tex., San Benito—Until Oct. 15, by City Council, paving Sam Houston Ave. from Landrum to Heywood Sts., involving 88,565 sq.ft. pavement. R. I. Agar, city engr.

Colorado—Until Sept. 20, by State Highway Dept., Denver, grading, draining and surfacing 6½ mi. Moffat Highway, between Craig and Maybell, Moffat Co., 16 ft. wide, involving 28,250 cu.yd. earth and 1,470 cu.yd. rock excav., 88 cu.yd. Class "A" and 116 cu.yd. Class "B" concrete and 10,174 cu.yd. gravel surfacing. About $69,000. J. E. Maloney, State Museum Bldg., Denver, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Vt., Bennington**—Village let contract paving and building storm sewers in various streets, to C. B. Lindholm, 24 North St., Pittsfield, Mass. About $85,000; cost plus percentage basis. Noted July 15.

★**Massachusetts**—State Bd. Pub. Rds., Div. Highways, Boston, let contracts building 2,100 lin.ft. bituminous macadam highway, Dracut, to A. Ballotto, Dracut, $9,543; state highway, Princeton, to C. Bianchi & Co., Framingham, $32,225, 3,700 ft. bituminous macadam highway, Agawam, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $16,230.

★**Massachusetts**—State Highway Dept., Boston, let contract building state road at Danvers, to Welch & Moynihan, Salem, $25,960.

★**Massachusetts**—State Highway Dept., Boston, let contract building 5,032 Mountain Rd., Holyoke, bituminous macadam, to D. O'Connellls Sons, 480 Hampden St., Holyoke, $50,609. Noted Sept. 9.

★**Mass., Boston**—City let contract paving and regulating track area on Belgrade Ave. and Centre St., to Boston Elevated Ry. Co., 101 Milk St. About $65,000.

★**N. Y., Brooklyn**—E. Reigelmann, boro. pres., let contract regulating and repaving Bedford Ave., to Consolidated Constr. Co., 83 Manhattan St., New York City, $237,782; East 10th and 56th Sts., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $15,929 and $14,158 respectively; 20th St., to Uvalde Asphalt Paving Co., 1 Bway., New York City, $13,682; Flatbush Ave., to M. J. O'Hara, $171,596; East 7th and East 17th Sts. and Mansfield Pl., to Wolfman & Greenbaum, 644 Saratoga Ave., $2,495, $8,988 and $9,913 respectively; Warehouse Ave., to J. J. Guinan, 2314 Gravesend Ave., $11,416; 20th Ave., to Caponi Constr. Co., 1320 65th St., $2,443. Noted Aug. 19 and Sept. 2.

N. Y., Brooklyn—E. Reigelmann, boro. pres., received bids Sept. 8, improving (a) Ferris St., (b) Ave. L., (c) Neptune Ave., (d) Sullivan Ave., (e) Van Dyke St., (f) 3rd St., (g) furnishing and delivering 40,000 wood paving blocks, from C. Gallagher, (a) $33,019, (c) $5,664, (d) $39,706, (f) $25,818; F. J. Gallagher, 490 Park Pl., (a) $33,833, (d) $40,204, (e) $16,923; Leonard Paving Co., 233 Bway., New York City, (a) $34,821, (d) $41,621, (e) $17,042; F. Persicano, (b) $2,877; Caponi Constr. Co., 1320 65th St., (b) $3,048; Grimm Constr. Co., (b) $3,398; Murphy Bros., (c) $6,455; Ward & Tully, 2,047 West 11th St., (c) $7,049; Grecco Bros., (e) $17,284, (f) $27,472; M. J. O'Hara, (f) $26,305; Amer. Creosoting Co., 17 Battery Pl., New York City, (g) $3,480. Noted Sept. 2.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., received bids Sept. 3 improving (a) Park Lane, (b) 42d St., (c) 94th St., (d) Harper Ave., (e) filling lot on side of Tompkins Pl., from Gibbet Constr. Co. (a) $95,350; Saverio & Britton, (a) $99,100; R. J. Johnson, 204 58th St., New York City, (a) $100 Kennedy & Smith, 94 Main St., Flus (b) $1,950; R. A. Hesse, (b) $1,981 $975; L. J. Rice, (b) $2,050; Uvalde phalt Paving Co., 1 Bway., New York (c) $29,571; Sicilian Asphalt Paving 41 Park Row, New York City, (c) $32 Welsh Bros., 14 Queens St., Astoria, $9,500; Tuohy & Upton, 98 Main St., F ing, (d) $13,400, (e) $925; Pease ((d) $14,000; C. Kurth, (e) $875. Noted Aug. 26.

N. Y., New York—H. Bruckner, Bronx Boro., received bids Aug. 25 re ing with sheet asphalt Clermont Park from Webster to Park Aves., from Uva Asphalt Paving Co., 1 Bway., $37,979 L. Brusstar, Harlem River and 150th $41,878; S. Davis, $43,261. Noted Aug

★**N. Y., New York**—H. H. Curran, pres. Manhattan Boro., let contracts improving 48th and 49th Sts., 13th Ave. and Hudson St., to W. J. Fitzgerald, 547 West 45th St., $4,407, $5,617, $72,850 and $13,643 respectively; 189th St. and 9th Ave., to Dayney Asphalt Co., 177th St. and Westchester Creek, $10,501 and $17,667 respectively; 2nd Ave., to Burnside Contg. Co., 270 Burnside Ave., $28,790; 153rd St., to C. Helbock Co., 633 Wales Ave., $13,045; repairing sewer in 23rd St., to P. J. Kearnes Contg. Co., 2306 Creston Ave., $1,500. Noted Aug. 19.

N. Y., New York—G. A. Whalen, comr. plant and structures, Municipal Bldg., received bids Aug. 24 rebuilding approach and pavement on Manhattan side of Queensboro Bridge, from Astoria Contg. Co., $53,704; Burnside Contg. Co., 270 Burnside Ave., $58,087; W. J. Fitzgerald, 547 West 45th St., $58,377.

N. Y., S. I., St. George—C. D. Van Name, pres. Richmond Boro., received only bid Aug. 31 repaving Arthur Kill Rd., concrete, from J. Johnson Son, $214,487. Noted Aug. 26.

★**Maryland**—State Rds. Comn., 601 Garrett Bldg., Baltimore, let contracts building ½ mi. sheet asphalt on concrete base on State Highway through Mt. Rainer, Prince Georges Co., Contr. P-21, to Crawford Paving Co., Washington, D. C., $19,362; 2.14 mi. concrete on Mountain Rd. from end of concrete section to Jacobsville, Anne Arundel Co. Contr. No. AA-19, to Christhilf & Ensey, Munsey Bldg., Baltimore, $75,008. Noted Sept. 2.

★**Ohio**—State Highway Dept., Columbus, let contract building roads in following counties:

Ashtabula Co., Sects. "C" and "D" Cleveland-Meadville Rd., 6.7 mi., widening pavement and resurfacing with macadam, to Seiple & Wolf Constr. Co., Youngstown, $166,987.

Belmont Co., Sect. "M" Bellaire-Barnesville Rd., 2.999 mi., grading and building drainage structures, L. B. Wilson, Newark, $50,502.

Crawford Co., Sect. "A" Shelby-Galion Rd., 2.424 mi., grading, constructing bridges and culverts and paving with bituminous macadam, J. C. McCann, Columbus, $87,621.

Geauga Co., Sect. "G" Cleveland-Meadville Rd., building bridge, George A. Stein, Niles, $7,275.

Jackson Co., Sect. "P" Chillicothe-Jackson Rd., grading, constructing bridge and culverts and paving with bituminous macadam, Neff & Rader, Circleville, $62,161.

Sect. "K" Chillicothe-Jackson Rd., 2.332 mi., grading, constructing bridges and culverts and paving with bituminous macadam, Neff & Rader, Circleville, $109,275.

Lorain Co., Sect. "T" Oberlin-Elyria Rd., 1.69 mi., grading, repairing bridges and culverts and paving with brick, A. J. Baltes, Norwalk, $25,565.

Mahoning Co., Sect. "N-2" North Lima-East Palestinerd, 0.65 mi., grading, constructing bridges and culverts and paving with brick, G. A. Gialdini & Son, Girard, $26,774.

Paulding Co., Sect. "A-2" Payne-Hicksville Rd., 2.019 mi., grading, constructing bridges and culverts and paving with Kentucky rock asphalt, T. B. Putnam, Van Wert, $76,772.

Sect. "G" Pauling-Woodburn Rd., 2.023 mi., grading, constructing bridges and culverts and paving with Kentucky rock asphalt, T. B. Putnam, Van Wert, $76,927.

Scioto Co., Sect. "R-1" Ohio River Rd., 3.692 mi., grading, constructing bridges and culverts and paving with monolithic brick, Harper & Ruhl Co., Portsmouth, $203,540.

Van Wert Co., Sect. "A" Van Wert-Ft. Wayne Rd., 5.826 mi., grading, constructing bridges and culverts and paving with

eets and Roads (Continued)

ntucky rock asphalt, Putnam & Shingle-cker, Van Wert, $240,851.

Ashtabula Co., Sect "E" Jefferson-An-ver Rd., 1.22 mi., resurfacing old con-te road with brick surface, C. G. Fuller, nneaut, $35,054.

Cuyahoga Co., Sects. "C-1" and "C-2" eveland-Elyria Rd., 8.021 mi., widening avement by addition of 5 ft. of macadam d resurfacing dirt road, Ohio Contg. Co., lyria, $60,180. Noted Sept. 9.

★**O., Shaker Heights**—Village let contract to Cleveland Trinidad Paving Co., The Arcade, Cleveland, grading, draining, urbing and paving with asphalt, Strath-on Rd. from Scotsdale to Kenyon Rds., $24,134; Lindholm Rd. from Scotsdale to Van Ness Rds., $28,624; Strandhill Rd. from Scotsdale to Sharington Rds., $33,-715; Rolliston Rd. from Scotsdale Rd. to Van Ness Blvd., $26,585; Engleside Rd. from Scotsdale to Kinsman Rds., $32,016; Sharington Rd. from Scotsdale to Palmer-ton Rds., $19,402. Noted Sept. 9.

★**O., South Euclid**—Village let contracts building 2½ in. stone sidewalks, on Stilmore, Wyncote, Harwood and Hinsdale Rds., Marimar Blvd. and Verona Ave., involving 42,000 cu.yd. earth excav., to Cleveland Stone Co., 1836 Euclid Ave., $54,510; grading above streets, to Ward Bros., 8912 Hough Ave. and T. Vaughn, c/o F. A. Pease Eng. Co., Marshall Bldg., $22,350 and $18,390 respectively. Noted Sept 9.

★**Michigan**—State Highway Dept., Lansing, let contract grading, draining and surfacing 8,046 mi. Assessment Dist. Rd. 205, 16 ft. wide, St. Clair and Macomb Counties, to J. A. McKay & Son, Detroit, $119,488. Noted Aug. 26.

★**Minn., Aitkin**—Aitkin Co. let contract grading and graveling 10 mi. Federal Aid Project 86, State Rd. 3, involving 6 acres clearing, 8 acre grubbing, 578 cu.yd. excav., 96,477 cu.yd. overhaul, etc., to B. Olson, Aitkin. About $106,000. Noted Aug. 12.

★**South Dakota**—State Highway Dept., Pierre, let contract grading and draining 2 mi. Chamberlain-Presho Rd., Project 49, Lyman and Brule Counties, also 4 mi. Presho-Winner Rd., Project 27, Lyman and Tripp Counties, to R. P. England, Murdo, $32,903 and $39,374 respectively.

★**Montana** — State Highway Dept., Helena, let contract building 6.35 mi. Klein-Billings Rd., 24 ft. wide, Federal Aid Project 108, Musselshell Co., involving 51,477 cu.yd. excav., 21,927 sta. yd. overhaul, 4 acres clearing, 732 lin.ft. 18-30 in. pipe culvert, 71 cu.yd. masonry, 1,648 lin.ft. piling, 348 cu.yd. riprap, 205 cu.yd. retaining wall, to Treasure State Constr. Co., Roundup, $47,122.

Missouri—State Highway Dept., Harrisonville, received bids Sept. 1, building 19 mi. Sect. A, Harrisonville-Belton Rd., 24 ft. wide, Federal Aid Project 20, Cass Co., involving (1) 66,464 cu.yd. earth excav., (2) 8,127 cu.yd. rock excav., (3) 1,880 cu.yd. borrow, (4) 539.6 cu.yd. Class "B" concrete, (5) 27.5 cu.yd. Class "C" concrete masonry, (6) 41,487 lb. reinforcing steel for concrete masonry, from Gidinsky Constr. Co., Kansas City, Mo., (1) $0.71 per cu.yd., (2) $2.25, (3) $0.70, (4) $30, (5) $25, (6) $0.09, total cost, $90,486; Humphrey Constr. Co., Versailles, (1) $0.75, (2) $2.25, (3) $0.70, (4) $30, (5) $25, (6) $0.09, total cost, $92,812. Noted Aug. 26.

★**Missouri**—State Highway Dept., Jefferson City, let contract to P. P. Young, Savannah Rd., R. F. D. 6, St. Joseph, building 0.52 mi. St. Joseph-Savannah Rd., 24 ft. wide, Federal Aid Project 123, Andrew Co., involving 404 cu.yd. earth excav., cost $0.80 per cu.yd., 1,046 cu.yd. borrow, $0.80, 5,424 sq.yd. bituminous macadam surface course plus 12,204 gal. bitumen for bituminous surface course, $1.58, 10.7 cu.yd. Class "B" concrete masonry, $28, 560 lb. reinforcement for concrete masonry, $0.10, total cost, $10,086; to D. Parnell, Branson, 4.8 mi. Boston Roadway, 24 ft. wide, State Aid Project S 20.3, Taney Co., 9,407 cu.yd. earth and 320 cu.yd. rock excav., cost $0.71 and $3, respectively, 11,600 sq.yd. gravel surfacing, $0.27, 173 cu.yd. dry rubble masonry, $2, two 15 in. and one 18 in. vitr. pipe culverts, $40 and $50 respectively, total cost, $12,577. Noted July 1

★**Missouri** — State Highway Dept., St. Joseph, let contract building .376 mi. Frederick Ave. Rd., 29 ft. wide, Federal Aid Project 94, Buchanan Co., to Land Constr. Co., Ballinger Bldg., $30,996. Noted Sept. 9.

★**Tex., Amarillo**—Potter Co. let contracts improving 14.7 mi. Highway 5, Colorado-Gulf Rd., 18 ft. wide, (a) grading road, involving 61,371 cu.yd. borrow, (b) building rein.-con. bridge and culverts, also steel bridge, to H. F. Keller, Amarillo, (a) $22,-852; Austin Bros. Bridge Co., 1815 Coombs St., Dallas, (b) $19,310; both include 10 per cent for engineering and contingencies. Noted Sept. 9.

★**Tex., Canyon**—Randall Co., let contract grading and draining 17.12 mi. Highway 33 from here to Deaf Smith Co., 24 ft. wide, to McKnight & Howell, Amarillo, $27,874; including 10 per cent for engineering and contingencies. Noted Sept. 9.

★**Tex., Decatur**—Wise Co. let contract surfacing, etc. 41.57 mi. Highway 2, Meridian Highway, 16 ft. wide, to R. E. Wild Constr. Co., c/o W. D. Paschal, county judge, Decatur, $101,363; including 10% for engineering and contingencies. Work involves 2,000 cu.yd. earth stripping, 22,372 cu.yd. crushed stone (to be furnished by county) and 4,000 cu.yd. gravel.

★**Tex., San Antonio**—Bexar Co. let contract surfacing, scarifying and excavating Burleson, Camp, Cherry, Courtland, Dwyer, French, Huisache, Santa Rosa and Travis Sts., involving 74,931 sq.yd. bituminous macadam, to Southwest Bitulithic Co., 711 Gunter Bldg. About $285,000.

★**Colorado**—State Highway Dept., Denver, let contract paving 1½ mi. Denver-Boulder Highway, 18 ft. wide, Boulder Co., concrete, to C. Madsen, Denver. About $58,000.

★**New Mexico** — **State** Highway Dept., Capitol Bldg., Santa Fe, let contract grading, draining and surfacing 12 mi. Federal Aid Project 34-B, between Chama and Tierra Amarilla, Rio Arriba Co., to A. T. Young, Denver, $95,992. Noted July 22.

★**Wash., Hoquiam**—City let contract paving Lincoln St., et al., to Grays Harbor Constr. Co., Aberdeen. About $120,000.

★**Wash., Seattle**—City let contract paving West 56th St., et al., involving 36,225 sq.yd. 6 in concrete and 36,225 cu.yd. excav., to Jahn & Bressi, New York Bldg., $113,103; 17th Ave., N., et al., 13,900 sq.yd. 7 in. and 20,500 sq.yd. 6 in. 1 course concrete and 10,300 cu.yd. earth excav., to S. A. Moceri, Alaska Bldg., $116,003.

Wash., Seattle—City received bids Aug. 27 paving, etc., (1) 24th Ave., N., et al., involving 3,525 lin.ft. armored concrete curb, type "A," and 8,675 sq.yd. 7 in. concrete, (2) building sidewalks, mains, et al., on 15th Ave., N.E., et al., 11,150 lin.ft. concrete curb, type "A," 8,758 sq.yd. concrete walks and 800 cu.yd. earth work, from R. G. Stevenson, 1327 Ewing St., (1) $38,790; F. N. Badolato, Builders' Exch., (1) $39,-180, (2) $34,161, (alternate) $34,205; Olympic Constr. Co., Green Bldg., (1) $39,-252, (2) $34,282, (alternate) $34,632; Fiorito Bros., 6022 2d St., N.W., (1) $33,-783, (alternate) $34,002.

Wash., Seattle—City received bids paving (1) West 56th St. et al, involving 36,225 cu.yd. sub-grading and 36,225 sq.yd. 6 in. concrete paving, (2) 17th Ave. N. W., et al, 10,300 cu.yd. sub-grading, 13,900 sq.yd. 7 in. and 20,500 sq.yd. 6 in. concrete, (a) concrete, (b) clay, from Jahn & Bressi, New York Bldg., (1a) $113,102, (1b) $112,-102, (2a) $117,673, (2b) $117,673; Fiorito Bros., 6022 2nd St. N. W., (1a) $114,339, (1b) $114,339, (2a) $118,152, (2b) $118,-718; S. A. Moceri, Alaska Bldg., (1a) $115,788, (1b) $115,788, (2a) $115,465, (2b) $111,003.

★**Que., Montreal**—Administrative Comn. let contracts paving Messier Ave. to Sicily Asphaltum Paving Co., 60 St. Viteur St., E., $16,396; sidewalks on Monkland Ave., Marquette and Old Orchard Sts., to Duranceau & Duranceau, 113 Hamilton St., $5,-483; Fabre St., to A. T. A. Chagnon & Co., Montreal, $6,850. Noted Aug. 19.

★**Ont., York** — Township let contract building granolithic walks on Blandford St. and Weston Rd. to Grant Contg. Co., 50 Front St., E., Toronto, $5,191; Caledonia and Hanley Aves., Florence Crescent and Spadina Rd. to J. Harrop, 335 Brock Ave., Toronto, $13,367; Dufferin St., to A. Johnson, 112 Ivy Ave., Toronto, $2,944; Hanson Rd., to Scott, Maddock & Mitchell, 48 Alexander St., $4,511.

Railways

PROPOSED WORK

Vermont—Hughes Granite Co., care of Walker & Walker, archts., 101 State St., Montpelier, plans to construct 6 mi. electric freight railroad from Calais to East Montpelier.

BIDS DESIRED

Ontario—Until Oct. 1, by Grand Trunk Ry., McGill St., Montreal, Que., building additional sidings in yards at Thorold, C. Forrester, York St., London, supt. Middle Div., F. L. C. Bond, McGill St., Montreal, ch. engr.

Excavation and Dredging

PROPOSED WORK

Ia., Algona—Drainage—E. H. Beardsley, aud. Kossuth Co., soon receives bids building ditch to drain about 98,000 acres. Cost to exceed $25,000. G. D. Hart, Algona, engr.

Ia., Harlan—Drainage—Shelby Co. rejected bids received Aug. 30, building Nishnabotna River Drain 10, involving 1,108,-564 cu.yd. excav. Noted Aug. 26.

Minn., Albert Lea—Ditch—Freeborn Co. rejected bids Aug. 18, building Co. Ditch 34, involving 70,004 ft. 6-42 in. tile, 48 catch basins, 115 junction laterals, etc. J. H. Severson, Albert Lea, engr. Noted Aug. 5.

Tex., Paris — **Levee** — **Lamar Co.** Levee Impvt. Dist. 1 had plans prepared for 12 mi. levee, 18 ft. high, to reclaim 8,000 acres fertile land. Bonds for $354,000 voted for project. A. A. Stiles, state recl. engr.

Ont., Port Frank—Canal—Great Lakes and Atlantic Canal and Power Co. Ltd., c/o N. M. Cantin, pres., St. Joseph, having surveys made for 43 mi. canal, 400 ft. wide, 35 ft. deep, from here to Port Talbot. About $50,000,000.

BIDS DESIRED

Tenn., Covington—Drainage—Until Sept. 29, by Bd. Dir. Middle Beaver Creek Drainage Dist. 2, Tipton Co., clearing and cleaning 163 acres right-of-way for main canal and laterals, involving 353,375 cu.yd. excav., W. H. Green, engr.

Ill., Harvel—Excavation—Until Oct. 1, at Town Hall, cleaning out surface ditches in Bug River Special D. D., Christian and Montgomery Counties, involving 55,605 lin. ft. ditches involving 11,868 cu.yd. earth excav. J. W. Dappert, Taylorville, engr.

Wis., Burlington — **Ditches** — Until Sept. 24, by Comrs. Hoosier Creek D. D., at office of G. W. Waller, atty., for 12,700 lin.ft. open ditches, involving 8,000 cu.yd. excav.

Ia., Jefferson—Drainage—Until Sept. 21, by Bd. Supervs. Greene Co., furnishing labor and material building Drain 134, involving 13,930 ft. 6-22 in. tile, etc.; Drain 138, 7,700 ft. 10-28 in. tile; Drain 147, 76,180 ft. 6-30 in. tile, etc.; Drain 155, 13,420 ft. 6-20 in. tile, etc. G. A. Coburn, aud., S. J. Melson, Jefferson engr.

Ia., Mason City—Drainage—Until Oct. 1, by P. Weigand, aud. Cerro Gordo Co., building Sects. 3 A, 3 C and 3 D, Laterals 7, 8, 10, 11, 12, 15 and 16, Joint D. D. 1, Cerro Gordo, Hancock, and Franklin Counties. Sect. 3 A, involves 71,400 ft. 6-18 in. tile, Sect. 3 C, 14,850 ft. 7-22 in. tile, Sect. 3 D, 36,250 ft. 6-32 in. tile, Sect. 6, 7,200 ft. 6-16 in. tile and Sect. 8, 1,200 ft. 6-7 in. tile.

Ia., Red Oak Ditch—Until Sept. 21, by Bd. Supervs. Montgomery Co., building 5.7 mi. open ditch in D. D. 5, involving 185,000 cu.yd. earth excav. P. N. Ostrom, aud.

Ia., Spirit Lake—Drainage—Until Sept. 23, by Comrs. Dickinson and Emmett Counties, furnishing labor and material building Joint D. D. 3, involving 25,617 ft. 6-42 in. tile. R. A. Furman, Spirit Lake, engr.

Ia., Webster City—Drainage—Until Sept. 21, by H. Baxter, aud. Hamilton Co., building Matilda Weimer D.D. 241, involving 73,720 ft. 6-32 in. tile; Lydia Anderson D. D. 242, 23,350 ft. 6-32 in. tile; Sven Erickson D. D. 240, 21,041 ft. 6-18 in. tile. About $40,000.

Mo., St. Joseph—Ditches—Until Sept. 22, by Bd. Superv. of Platte River D. D. 1, Buchanan Co., building Platte River Ditch, 10.68 mi. long, 18 x 22 ft. bottom, involving 1,022,000 cu.yd. excav.; One Hundred Two River Ditch, 5.48 mi. long, 16 ft. bottom, 397,000 cu.yd. excav.; Third Fork Lateral, .95 mi. long, 16 ft. bottom, 75,000 cu.yd. excav. W. B. Hazen, 53 Commercial Bldg., engr. Noted March 18.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Gloucester**—Dredging—Commonwealth of Massachusetts, Comn. Water-

Excavation and Dredging (Continued)

ways & Pub. Lands, State House, Boston, let contract dredging basins in Lobster Cove, to Bay State Dredging Contg. Co., 62 Condor St., East Boston. About $250,000.

Mass., Winthrop (Boston P. O.)—Dredging—Commonwealth of Massachusetts, Div. Waterways & Pub. Lands, State House, Boston, let contract dredging 34,000 cu.yd. in Winthrop Harbor, to Bay State Dredging & Contg. Co., 62 Condor St., East Boston.

★**Minn., Mankato**—Ditch—Blue Earth Co. let contract building Co. Ditch 59, involving 128,805 lin.ft. 8-32 in. tile, concrete headwall, etc., to North Star Concrete Co., Mankato, $63,900.

★**Minn., St. Peter**—Ditch—Nicollet Co. and Sibley Co. (Henderson) let contract building Ditch 6, involving 31,310 ft. 7-30 in. tile, to R. H. Allison, Mankato, $15,350; furnishing tile and other necessary material, to New Ulm Brick & Tile Co., New Ulm. Total cost to exceed $30,000. Noted Aug. 12.

Industrial Works

PROPOSED WORK

Me., Eastport—Sea Coast Canning Co. plans to reconstruct Bldgs. 4 and 5, which were recently destroyed by fire. About $300,000. Architect not selected.

Mass., Boston—Densmore & LeClear, archts., 88 Broad St., soon receive bids building 8 story, 100 x 200 ft., granite limestone and terra cotta addition to plant, on Berkeley and Stuart Sts., for Salada Tea Co., 155 Berkeley St. Noted Apr. 1.

Mass., Cambridge—J. R. Worcester & Co., archts. and engrs., 79 Milk St., Boston, soon let contract building 1 story, 70 x 200 x 400 ft., brick and steel addition to plant, concrete foundation, on 1st St., here, for Ginn & Co., 15 Ashburton Pl., Boston. About $250,000.

R. I., Providence—R. T. Slade, 547 Elmwood Ave., plans to build 1 story, brick and rein.-con. addition to garage. About $50,000. Private plans.

R. I., Providence—Smith Realty Co. plans to build brick and steel garage, 50 cars capacity, on Chapel St. About $50,000. Architect not selected.

R. I., Woonsocket—Amer. Wringer Co., 91 Social St., soon lets contract constructing 1 story, 80 x 110 ft. dry kiln and 2 story mechanical roll building, brick and steel, rein.-con. flooring, concrete foundations, on Pond and Clinton Sts. Cooley & Marvin Co., 15 Ashburton Pl., Boston, archt.

Conn., Waterbury—Lux Clock Mfg. Co., 105 Sperry St., soon lets contract building 4 story, 25 x 105 ft. brick, and timber factory, concrete foundation. About $50,000. Noted Aug. 26.

N. Y., Brooklyn—J. Oehrig, 7 McKibben St., having sketches made by Kunzl & Waillant, archts. and engrs., 394 Graham Ave., for 4 story, 100 x 100 ft. brick, steel and concrete factory, rein.-con. flooring, concrete foundation. About $125,000.

N. Y., Yonkers—Hudson Tire & Rubber Co. having plans prepared by Osborn Eng. Co., archts. and engrs., 2848 Prospect Ave., Cleveland, O., for 3 story, rein.-con., brick and steel factory and power plant, rein.-con. flooring, concrete and brick foundation, here. About $300,000.

N. J., Bayonne—Tidewater Oil Co., Constable Hook, plans to build 36 x 147 x 150 ft. boiler and pump house, brick. About $86,000.

Pa., Frankford—Fidelity Machine Co., c/o G. B. Roth, archt., 1629 Chestnut St., receives bids about Jan. 1, building 2 story, 100 x 200 ft., brick and concrete factory.

Md., Baltimore—P. Kell Co. Inc., Holliday and Center Sts., having plans prepared for 1 and 2 story, 70 x 165 ft. sheet metal plant, rein.-con. and steel, concrete foundation. About $100,000. Private plans.

Md., Baltimore—Kennedy Corp., Charles and Wells Sts., plans to build extensions to plant. About $100,000. J. P. Kennedy, Fidelity Bldg., pres.

Md., Canton (Baltimore P.O.)—Standard Oil Co., Pratt and South Sts., Baltimore, plan to build oil refinery, here. About $7,000,000. E. A. Holbein, Supt.

Va., Petersburg—Virginia Normal & Industrial Institute having plans prepared by J. Posey, engr., Fidelity Bldg., Baltimore, for heating plant, consisting of boilers, smokestack, stokers, etc. About $100,000.

Tenn., Memphis—Clover Farm Dairy Co., 789 Union Ave., having plans prepared by W. T. Tinn, archt., Phila., for rein.-con. dairy and ice cream plant, on Somerville St. About $250,000.

Tenn., Nashville—U. S. Biscuit Co., Memphis, plans to build plant, here. About $300,000.

O., Cleveland—Clay Engine Mfg. Co., 864 East 72nd St., plans to build 1 story, brick and steel factory, brick foundation. About $50,000. H. H. Newman, mgr. Architect not selected.

O., Cleveland—Cleveland Ry., Leader-News Bldg., plans to build 1 story, rein.-con., brick and steel car barns, rein.-con. flooring, brick and concrete foundations, on East 34th St. and Bway. About $300,000. G. Radcliffe, mgr. D. W. Morrow, 4500 Euclid Ave., archt.

O., Cleveland—Commercial Bookbindery Co., 2331 West 110th St., plans to build 3 story, rein.-con., brick and steel factory, rein.-con. flooring, brick and concrete foundation. About $100,000. A. E. Fowler, secy. Architect not selected.

O., Cleveland—Natl. Malleable Castings Co., Woodhill Rd., plans to build 1 story, 60 x 200 ft., brick and steel machine shop, brick foundation, on Woodhill Rd. and Quincy Ave. About $100,000. H. F. Pope, pres. J. Moffett, c/o Natl. Malleable Castings Co., archt. and engr.

O., Cleveland—Spohn Heating & Ventilating Co., 1775 East 45th St., plans to build 2 story factory and warehouse, brick and steel, brick foundation, on East 46th St. near Hough Ave. About $50,000. G. Nachman, pres. Architect and engineer not selected.

O., Copley—Wellman-Seaver-Morgan Co., 7000 Central Ave., Cleveland, having plans prepared for 1 story, 100 x 300 ft., brick and steel, tractor plant, brick foundation. About $200,000. G. S. Burrows, c/o owner, engr.

O., Dayton—Miller Airplane Co. plans to build 2 story factory, on Brown St. About $100,000.

O., Marietta—Safe Cabinet Co. having sketches made for 3 story, brick and concrete addition to factory. About $100,000.

O., South Akron (Akron P.O.)—Wellman-Seaver-Morgan Co., reserved 120 acre site along tracks of Akron, Canton & Youngstown Ry., near Copley Center and Fairlawn Heights, and plans to construct a chain of factory buildings.

O., Toledo—Acklin Stamping Co. having plans prepared by Langdon & Hohly, archts. for sheet metal plant, on Nebraska Ave. east of Toledo University Farm. Work includes warehouse with capacity for 50,000 tons of steel, punch press departments, annealing furnaces, nickel-plating and galvanizing plants, electric welding and tool departments. J. M. Acklin, vice-pres.

Ia., Cedar Rapids—First Ave. Investment Co. plans to build 2 story, 60 x 140 ft., concrete, brick and steel garage, concrete foundation. About $120,000. Private plans.

Minn., Redwood Falls—R. Stensvad plans to build 1 story, 120 x 120 ft. brick, steel and tile garage. About $50,000.

S. D., Aberdeen—See "Buildings."

Mo., North Kansas City—C. E. Haber, engr. and archt., Xenia, O., soon lets contract building 1 story, 80 x 363 ft., rein.-con. and brick factory, rein.-con. flooring, here, for Hooven & Allison Co.

Tex., Ballinger—C. S. Guin plans to build ice factory. About $50,000.

Tex., Ft. Worth—Texas Cotton Mills Co. plans to build mill, to have 15,000 spindles and 500 looms. About $1,000,000.

Col., Denver—Eaton Metal Products Co., 1843 Wazee St., having plans prepared for 1 story plant, concrete and steel, on York St. near Union Pacific R.R. shops. About $175,000. Architect's name withheld.

Col., Denver—Federal Glass Co., 1717 Champa St., having plans prepared for plant, to include office building, circular glass house, 100 ft. diam., gas plant and factory with 10,000 sq.ft. floor space. About $250,000. J. W. Busard, c/o Sylvester & Co., 1717 Champa St., engr. Noted Aug. 26.

Col., Denver—Great Valleys Sugar Corp., 800 Central Savings Bank Bldg., having preliminary plans prepared for 3 brick and steel factories, 1 in Boulder County, and 2 in Weld County, each to have 600 ton capacity. About $3,000,000. A. F. Lyster, 800 Central Savings Bank Bldg., engr.

Col., Fleming—City plans to build power plant for water and light service. About $50,000.

Ont., London—G. Philp, Hayman Comm., is interested in company which plans to build malleable iron casting factory. About $100,000.

Ont., Windsor — Colthurst, Trace & Nichols, archts., 16 Sandwich St. W., receives bids about Jan. 1, building 2 story, 120 x 400 ft. rein.-con. cold storage plant. About $600,000. Owners name withheld.

B. C., Kelowna—Kelowna Storage Co. Ltd. having plans prepared by Twizell & Birds, archts., 837 Hastings St. W., Vancouver, for 3 story, 85 x 150 ft. brick and tile plant.

BIDS DESIRED

N. Y., Buffalo—Drumstra Ice Cream Co., 958 Fillmore Ave., receiving bids altering and building additions to 2 story, 50 x [illegible] ft., brick and tile factory, at 1615 Bway. About $60,000.

O., Cleveland—Until Sept. 20, by Cleveland Folding Bed Co., 2554 East 55th St., building 2 story, 70 x 70 ft., brick and steel addition to factory, brick foundation, at 3740 Central Ave. About $50,000. M. Altschuld, East 51st St. and Woodland Ave., archt.

Ind., Indianapolis—J. D. Hunt Mfg. Co., 939-47 Massachusetts Ave., receiving bids constructing 2 story, 100 x 150 ft., warehouse and office building, rein.-con. and brick, on North Capitol St. About $100,000. Rubush & Hunter, 430 Amer. Central Life Bldg., archts.

Mich., Delray (Detroit P. O.) — Inland Delray Salt Co., receiving bids constructing 3 story, brick and mill construction factory, brick foundation. About $60,000. Stahl & Kinsey, 435 Woodward Ave., Detroit, archts.

Mich., Detroit—Until Sept. 20, by H. H. Lane, engr., Dime Bank Bldg., constructing 3 story, 128 x 150 ft. warehouse, brick and mill construction, brick foundation, on Dequindre St., for Western Electric Co., c/o F. J. Whitney, Kirby Ave. and Dequindre St. About $85,000.

Mich., Monroe—Until Sept. 20, by R. M. Dunbar, archt., Monroe, building 1 story, 90 x 210 ft. foundry, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on East 1st St., for Monroe Auto Equipment Co. About $100,000. Noted Sept. 2.

Ill., Chicago—Z. L. Davis, archt., 64 East Van Buren St., receiving bids building 1 story, 125 x 200 ft., brick and timber garage, rein.-con. flooring, concrete foundation, at 1447 West 63rd St., for McKeown Transportation Co. About $90,000.

Minn., Hancock—Guiterman Bros., c/o W. C. Kauth, chn. Hancock Bldg. Comn., receiving bids building 85 x 120 ft. brick veneer or stucco factory. About $75,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Howland**—Howland Pulp & Paper Co., 301 Congress St., let contract constructing 1 story, 75 x 103 ft. addition to sulphate pulp mill and 38 x 72 ft. addition to paper machine building, brick and steel, rein.-con. flooring, concrete foundation, also 590 ft. rein.-con. dam, to Green & Wilson, Waterville. About $120,000.

★**N. H., Groveton**—Groveton Paper Co. Inc., let contract building 2 story, 55 x 200 ft. brick and steel addition to plant, concrete foundation, to Swan & Son, St. Johnsbury, Vt. About $100,000.

★**Vt., Northfield**—H. Pelaggi & Co. will build 1 story, 60 x 425 ft. frame addition to plant, rock foundation. About $50,000. Work will be done by day labor.

★**Mass., Lawrence**—F. G. Murch and G. H. Woodman, 279 Essex St., let contract building 4 story, 70 x 100 ft. mill construction factory, concrete foundation, on Essex and Winter Sts., to E. A. Peabody & Son, 309 Bay State Bldg. About $125,000.

★**Mass., Russell**—Chapin & Gould Paper Co., 317 Main St., Springfield, let contract building 4 story, rein.-con. factory, rein.-con. flooring, concrete foundation, here, to F. T. Ley & Co. Inc., 499 Main St., Springfield. About $100,000.

★**R. I., Providence**—Hassenfield Bros., 212 North Main St., let contract building 3 story, 45 x 110 ft., mill construction warehouse, concrete foundation, on North Main and Bowen Sts., to Mahoney & Tucker, 423 Grosvenor Bldg. About $60,000.

Industrial Works (Continued)

★**R. I., Providence**—Waldorf Lunch Co., Byron St., let contract building 2 story, brick and steel addition to bakery, rein.-con. flooring, concrete foundation, to J. Meltzer & Co., 101 Tremont St., Boston. About $50,000. Noted Aug. 19.

★**R. I., Woonsocket**—Alsace Worsted Co. let contract building 2 story, 66 x 180 ft. mill construction factory addition, concrete foundation, on East School St., to W. Aubin, Diamond Hill Rd. About $75,000.

★**Conn., Greenville** (Norwich P. O.)—Atlantic Carton Corp., South Golden St., let contract building 2 story, 50 x 200 ft., brick and steel addition to factory, concrete foundation, to Peck McWilliams Co., 47 West Main St., Norwich. About $65,000.

★**Conn., New Haven**—F. Teitelman, 214 State St., let contract building 5 story, 56 x 70 ft., mill construction factory, concrete foundation, to J. Alpert, 192 Winthrop Ave. About $80,000.

★**Conn., Norwalk**—City let contract building 2 story, 20 x 40 ft., brick and rein.-con. addition to electrical plant, rein.-con. flooring, concrete foundation, on State St., to G. Smith, 1 Trinity Pl., South Norwalk. About $50,000. Noted Sept. 2.

★**N. Y., Brooklyn**—Charshad Realty Co., 1199 Eastern Parkway, will build 1 story, 120 x 200 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Empire Blvd. About $50,000. Work will be done by day labor.

★**N. Y., Brooklyn**—I. Gootzeit, 3031 Steuben St., Middle Village, L. I., will build 1 story, 100 x 150 ft., brick and teel garage, rein.-con. flooring, concrete foundation, on Nassau Ave., here. About $50,000. Work will be done by day labor.

★**N. Y., Jamaica**—E. Langer Printing Co., 470 West Bway., New York City, let contract building 3 story, 100 x 300 ft. rein.-con. and steel printing plant, rein.-con. flooring, concrete foundation, on Hamilton Ave., here, to Rosenthal Eng. Constr. Co., 225 Jackson Ave., Brooklyn.

★**N. Y., New York**—Castle Realty Co., 451 West 30th St., will alter and build additions to 6 story, 85 x 100 ft., brick and steel factory, at 446 West 31st St. About $250,000. Work will be done by day labor.

★**N. Y., New York**—Five Sixty-Three West Fifty-Ninth St. Co. let contract altering 4 and 5 story, 100 x 125 ft. garage and service station, brick and steel, rein.-con. flooring, at 557 West 59th St., to A. List & Son, 70 East 45th St. About $75,000.

★**N. Y., New York**—H. Kline, 532 West 54th St., let contract building two 1 story, brick and steel garages, rein.-con. flooring, concrete foundation, to Standard Concrete Steel Co., 105 West 40th St. About $90,000. Noted June 3.

★**N. Y., New York**—New York Pie Baking Co., 82 Sullivan St., let contract altering 3 story, brick, steel and concrete bakery, to P. Roberts, 33 Sullivan St. About $150,000. Noted Jan. 22.

N. Y., New York—Transit Comn. received bids Sept. 7, building 2nd brick, concrete and steel addition to shops on Lenox Ave. and 148th St., from Bainbridge Constr. Co., 52 Vanderbilt Ave., $456,083; D. C. Serber, 1123 Bway., $491,812; Snare & Triest, 8 West 40th St., $494,721. Noted Aug. 26.

★**N. J., Bridgeton**—Illinois Glass Co. let contract constructing factory on North Laurel St., consisting of 3 story, 330 x 700 ft. main plant, 50 x 150 ft. producer building and 2 story, 50 x 100 ft. engine and boiler room, concrete and steel, to Keeley Bros. Contg. Co., 507 Federal St., Camden. About $3,000,000.

★**Pa., Bridgeville**—Natl. Lamp Co., Nela Park, East Cleveland, O., let contract building 3 story, 63 x 179 ft. factory and warehouse, brick and steel, brick foundation, here, to Heller & Murray, Youngstown, O. About $100,000.

★**Pa., New Bethlehem**—Pine Run Coal Co. let contract constructing six 1 story, brick and steel buildings, brick foundations, to H. K. Ferguson Co., Vickers Bldg., Cleveland. About $200,000.

★**D. C., Washington**—N. Auth Provision Co. let contract building addition to packing plant, to R. P. Whitty Co., Union Trust Bldg. About $60,000.

★**Tenn., Knoxville**—Brookside Mills Co. let contract building 1 story, rein.-con. weave shed, to Alberthaw Constr. Co., 27 School St., Boston. About $300,000.

★**O., Canton**—United Eng. & Fdry. Co. let contract building 1 story, 136 x 240 ft., rein.-con. and steel factory, on Grace Ave. N. E., and 13th St. N. E., to R. G. Witter, 1539 Harvard Court, N. W. About $75,000; steel work, to Blaw-Knox Co., Freeport Rd., Hoboken, Pa.

★**O., Cleveland**—Orange Garage Co. let contract building 1 story, 65 x 130 ft., brick and steel garage, brick foundation, on Orange Ave., to Windsor Constr. Co., Swetland Bldg. About $50,000

★**O., Niles**—Natl. Lamp Co., Nela Park, East Cleveland, let contract building 3 story, 50 x 150 ft., brick and steel factory and warehouse, brick foundation, here, to Heller & Murray, Youngstown. About $75,000.

★**Ind., Terre Haute**—Hoosier Rolling Mills Co. will build 1 story, 100 x 600 ft., rein.-con., brick and steel factory, rein.-con. flooring. About $100,000. Work will be done by day labor.

★**Ill., Chicago**—Glabman Bros., c/o Dubin & Eisenberg, archts., 139 North Clark St., let masonry contract for 4 story, 48 x 100 ft., concrete and brick warehouse, concrete foundation, at 1304-6 Newberry Ave., to Kadeshewitz & Bechel, 1342 Independence St.; carpentry, to J. Laff, 3401 Douglas St. Total cost, $90,000.

★**Ill., Chicago**—Lawrence Ice Cream Co., West 21st St., let contract building 2 story, 219 x 250 ft., mill construction factory, concrete foundation, on 21st and Sangamon Sts., to E. F. Weigel, 1624 West 63rd St.

★**Kan., McPherson**—Goerz Flour Co. let contract building 7 story, 48 x 120 ft. mill and 2 story, 48 x 116 ft. warehouse, rein.-con. and brick, rein.-con. flooring, to Jones-Hettelsater Constr. Co., Mutual Bldg., Kansas City, Mo. About $600,000; cost plus percentage basis.

★**Col., La Salle**—Industrial Sugar Co., Barclay Blk., Denver, let contract constructing steel and concrete factory, to include main building, steffen house, boiler house, lime house and warehouse, to Baum & Baum, Salt Lake City. About $1,800,000.

★**Que., Montreal**—Knit to Fit Mfg. Co., 322 Papineau Ave., let contract building 4 story, 136 x 196 ft. brick and steel factory, concrete foundation, on Parthenais St., to Anglin-Norcross Co., 65 Victoria St. About $178,000.

★**Que., Montreal**—W. J. Westaway & Co., 211 McGill St., let contract building 2 story, 43 x 140 ft., 2 story, 24 x 54 ft. and 1 story, 24 x 50 ft., brick and steel factories, concrete foundations, on Parthenais St., to Anglin-Norcross, 65 Victoria St., $54,000, $16,300 and $5,800 respectively.

Buildings

PROPOSED WORK

Vt., Barre—Theatre—Eames & Gordan having plans prepared by Pember & Campagne, archts., 24 James St., Albany, N. Y., for 2 story, 40 x 115 ft. brick, steel and concrete, on Marie and Pearl Sts.

Mass., Dedham—Club—Dedham Country and Polo Club soon receives bids building 3 story, 40 x 100 ft., brick and frame, stone foundation. About $100,000. G. Lowell, 12 West St., Boston, archt. Noted Aug. 5.

Mass., Gardner—Housing—Central Oil & Gas Stove Co., School St., having plans prepared by P. Varney archt., 25 Exchange St., Lynn, for 2 story, brick and timber houses, concrete foundations, near plant. About $100,000.

Mass., Hamilton—Memorial—Town plans to construct community memorial building on Ashbury St. About $100,000. G. Lowell, 12 West St., Boston, archt.

Mass., Holyoke—Church—Perpetual Help Roman Catholic Society, 51 Fountain St., having plans prepared by L. J. Carone, archt., Nicolet, Que., Can., for 1 story, brick and steel, concrete and stone foundation. About $150,000. J. Marchand, pastor.

Mass., Jamaica Plain (Boston P. O.)—Theatre—H. Eilenberg, c/o W. Dyckeman, archt., 120 Tremont St., Boston, soon lets contract building 1 story, 85 x 120 ft., brick, rein.-con. flooring, concrete foundation, on Center St. About $125,000.

Mass., Leominster—Theatre—Leominster Theatre, c/o Funk & Wilcox, archts., 1148 Old South Bldg., Boston, had plans prepared for 1 story, 70 x 155 ft., brick, steel and rein.-con., rein.-con. flooring, concrete foundation, on Maple St. About $125,000.

Mass., Malden (Boston P. O.)—**Store and Office**—A. B. Morgan plans to build 2 story, 60 x 130 ft., brick, stone and concrete foundation. About $100,000. W. T. Littlefield, 3 Hamilton Pl., Boston, archt.

Mass., Westfield—Church—St. Joseph Polish Natl. Catholic Society, Main St., plans to build 1 story, brick, stone and steel, on Main and Clinton Sts. About $100,000. Architect not selected.

Mass., Westfield—Library—Bd. Selectmen, Broad St., plans to build brick, stone and steel. About $100,000. Architect not selected

Mass., Worcester—College—Holy Cross College, College St., plans to construct 5 additions, consisting of new chapel, new science hall, new refectory building, new dormitory and administration building, concrete, brick and steel, reni.-con. flooring, concrete foundations, on Campus. About $1,000,000. Architect not selected.

R. I., Edgewood (Providence P. O.)—Library—W. H. Hall Free Library, c/o Rhode Island Hospital Trust Co., 15 Westminster St., Providence, plans to build large library, here. About $100,000. Architect not selected.

R. I., Newport—School—City had plans prepared by T. S. Weaver, archt., 14 Cranston Ave., for Sheffield School, 2 story, brick and concrete, rein.-con. flooring, concrete foundation, on Bway. and Vernon St. About $150,000.

Conn., Hartford—School—South School Dist. plans to build 2 story, brick and steel, on Charter Oak Ave. About $200,000. J. H. Taylor, 1 Main St., chn. Architect not selected

Conn., Norwich—Church—St. Mary Roman Catholic Society, 70 Central Ave., plans to build 1 story, 60 x 130 ft., stone and steel, stone foundation. About $100,000. O'Connell & Shaw, 18 Boylston St., Boston, archts.

N. Y., Hornell—High School—Bd. Educ. plans to build new high school. About $500,000. G. L. Elkin, 44 Pearl St., secy. Architect not selected.

N. Y., New York—Club—Army & Navy Club of New York, 18 Gramercy Park, plans to build brick, concrete and stone, concrete foundation. About $3,000,000. Address W. J. Nicholson. Architect not selected.

N. Y., New York—Museum—New York Zoological Society, 111 Bway., having plans prepared by H. D. Whitfield, archt. and engr., 597 5th Ave., for 1 story, 75 x 90 ft., brick and stone, brick foundation, at Bronx Zoological Park. About $150,000.

N. J., Atlantic City—Temple—Amer. Federation of Labor plans to build labor temple. About $175,000. S. A. Burke, Atlantic City, chn. of com. Architect not selected.

N. J., Jersey City—Theatre—Hespe Realty Co. plans to build moving picture theatre on Central Ave. About $150,000.

Pa., Avondale—High School—Consolidated Bd. Educ. of New Gordon and Loudin Grove Twps., in West Grove and Avondale Boros., Chester Co., having sketches made by Ritter & Shay, archts., North Amer. Bldg., Phila., for 2 story, brick, here. Cost to exceed $100,000.

Pa., Phila—Hospital—Roosevelt Hospital, 5th and Fairmount Sts., having sketches made by W. C. Furber, archt., 212 West Washington Sq., for 5 story, concrete and brick. Cost to exceed $100,000.

Pa., Phila.—Hotel—B. Franklin Hotel c/o F. Webber, archt. Morris Bldg., receives bids latter part of November building 16 story, 194 x 230 ft., concrete, brick and steel, on 9th and Chestnut Sts.

Pa., Phila.—Office—Goodlow Corp., c/o D. H. Basset, archt., 1520 Locust St., having plans prepared for 3 story, 20 x 200 ft., brick, on 12th and Market Sts. About $100,000.

Md., Baltimore—Club—Maryland Club, Charles and Eager Sts., having plans prepared by J. Pennington, archt., 330 North Charles St., improving brick and stone building. About $100,000. F. Carey, chn. building com. Noted Aug. 26.

Md., Crisfield—Church—Asbury Methodist Episcopal Church, c/o G. E. Savage, archt., Witherspoon Bldg., Phila., had plans prepared for 1 story, 80 x 125 ft., stone. About $100,000.

Md., Cumberland—Club—Cumberland Lodge, B. P. O. E., c/o T. W. Biddle, Jr., archt., 120 Frederick St., having plans pre-

Buildings (Continued)

pared for 3 story, 43 x 100 ft., brick and stone, stone and concrtee foundation, on Baltimore St. About $125,000.

D. C., Washington—Theatre—R. W. Geare, archt., Woodward Bldg., soon receive bids building brick, steel, concrete and tile, for Crandall Lincoln Theatre Corp., 9th and E Sts. About $350,000.

Fla., Bradentown—Hotel—Bradentown Apartment Co. had plans prepared by G. H. Ingram, archt., 1127 Guardian Bldg., Cleveland, O., for 3 story, 91 x 170 ft. brick and steel. About $200,000.

O., Canton — Store and Office — G. L. Heibner plans to build 8 story, 33 x 200 ft. brick, on Market Ave. N. and 6th St. About $200,000.

O., Canton—Theater and Office—P. J. Bernower, Navarre Rd. and Cleveland Ave. S. W., plans to build 4-8 story, 67 x 200 ft., rein.-con., brick and steel, on Market N. and 6th Sts. About $500,000.

O., Cleveland — Commercial — J. Fuller, Schofield Bldg., plans to build 197 x 212 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on East 40th St. and Windsor Ave. About $200,000. Architect's name withheld.

O., Cleveland — Commercial —W. R. Green, vice-pres. Guardian Savings & Trust Co., Euclid Ave., plans to build 3 story, brick and steel, brick foundation, on East 89th St. and Carnegie Ave. About $100,-000. Architect not selected.

O., Cleveland—Commercial—Lillian Realty Co., c/o W. B. Cohen and A. Koblitz, The Arcade, plans to build 8 story, 40 x 120 ft., rein.-con., brick and steel, rein.-con. flooring, concrete and brick foundation, on East 17th St. north of Euclid Ave. About $350,000. Architect's name withheld.

O., Cleveland—Commercial—Skeel Bros. Co., 10014 Euclid Ave., plans to build 3 story, rein.-con., brick and steel, rein.-con. flooring, concrete and brick foundation, on East 74th St. and Euclid Ave. About $100,-000. Private plans.

O., Cleveland—Commercial and Office—Belmore Co., c/o M. B. Sharfield, 206 Society for Savings Bldg., plans to build 20 story, 99 x 300 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Superior Ave. between East 6th and East 9th St. About $5,000,000. Architect not selected.

O., Clintonville—School—Bd. Educ. having sketches made by D. Reibel & Son, archts., New 1st Natl. Bank Bldg., Columbus, for 2 story, brick and stone. About $265,000.

O., Youngstown—Church—St. Paul's Reformed Church plans to build church, on Oak Hill Ave. About $100,000.

Ind., Dugger—School—C. Hale, trustee School Bd., Sullivan, soon receives bids building 2 tory, 60 x 120 ft., brick and steel, here. About $100,000. J. W. Caddis, Vincennes, archt.

Ind., Ft. Wayne — High School — Bd. School Comrs. had plans prepared by Griffith & Goodrich, archts., 15 North Amer. Bldg., for 3 story, 211 x 230 ft., rein.-con., brick and steel. About $200,000.

Ind., Richmond—School—Bd. School Comrs. soon receive bids building 2 story, 202 x 368 ft., rein.-con., brick and steel. About $200,000. Perkins, Fellows & Hamilton, 814 Tower Court, Chicago, archts.

Mich., Detroit—Hospital—Pub. Health Dept., City Serv. Bldg., having plans prepared by A. Kahn, archt., Marquette Bldg., for 3 story hospital group, rein.-con., brick and steel, rein.-con. flooring, concrete foundations, on Taylor Ave. About $3,000,000.

Mich., Redford—Church — First Baptist Church having plans prepared by Wells, Beckwith & Cole, archts., 624 McKerchy Bldg., Detroit, for 1 story, 50 x 90 ft., brick, steel and stone, rein.-con., tile and hardwood flooring, brick foundation. About $100,000.

Wis., Green Bay—Theatre and Office—J. R. Minahan, Minahan Bldg., plans to build 14 story, 75 x 160 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation. Architect and engineer not selected.

Wis., Milwaukee—Bank and Office—Kirchhoff & Rose, archts., Majestic Bldg., open bids about Sept. 20, building superstructure for 2 story, 40 x 90 ft., rein.-con. and brick, rein.-con. flooring, on Mitchell St., for Amer. Exch. Bank, 5th Ave. and Mitchell St. About $100,000. Noted April 29.

Wis., Milwaukee—Hotel—C. Barkhausen, archt., Iron Blk., soon lets contract building 4 story, 45 x 120 ft., rein.-con. and brick addition, rein.-con. flooring, concrete foundation, for Hotel Martin, 201 Wisconsin St. About $150,000.

Ia., Dundee — School — Bd. Educ. having plans prepared by Keffer & Jones, archts., 201 Hubbell Bldg., Des Moines, for 2 story, concrete, brick and steel, concrete foundation. About $100,000.

Ia., Flinchford—School—Bd. Educ. plans to build brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $110,000. Architect and engineer not selected.

Ia., Jamaica—School—Bd. Educ. having plans prepared by Keffer & Jones, archts., 201 Hubbell Bldg., Des Moines, for 2 story, concrete, brick and steel, concrete foundation. About $110,000.

Ia., Lytton — School — Bd. Educ. having plans prepared by Keffer & Jones, archts., 201 Hubbell Bldg., Des Moines, for 2 story, concrete, brick and steel, rock foundation. About $100,000. Noted June 17.

Ia., Yetter—School—Bd. Educ. having plans prepared by Keffer & Jones, archts., 201 Hubbell Bldg., Des Moines, for 2 story, concrete, brick and steel, concrete foundation. About $100,000. Noted June 17.

Kan., Kansas City—Station—Kansas City Terminal Ry., Union Sta., Kansas City, Mo., soon receives bids building 2 story, 38 x 141 ft., brick and terra cotta, here. About $150,000 Rose & Peterson, Parker Bldg., archts.

Kan., Liberal — Auditorium, etc. — City election Oct. 5, to vote on $150,000 bonds to construct auditorium and memorial building. Architect and engineer not selected.

Kan., Norton—Hotel—Norton Hotel Co. having plans prepared by Archer & Gloyd, archts., Reliance Bldg., Kansas City, Mo., for 2 story, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $150,000.

Kan., Liberal—Memorial—Seward Co. plans to construct memorial building. About $150,000. Architect and engineer not selected.

Kan., Wichita—Memorial—City election Nov. 2, to vote on $1,500,000 bonds to construct war memorial building. Architect and engineer not decided.

Kan., Wichita—Rescue Home—Salvation Army, 126 North Topeka St., plans to build home along Little River. About $200,000. G. M. Booth, in charge. Architect and engineer not selected.

S. D., Aberdeen—Exhibition Bldg.—Fair Assn. having plans prepared by Pearse, Robinson & Sprague, archts., 701 Youngerman Bldg., Des Moines, Ia., for 1 story, exhibition building and cattle barns. About $150,000.

N. D., Grand Forks—Exhibition—Grand Forks Fair Assn. having plans prepared by Pearse, Robinson & Sprague, archts., 701 Youngerman Bldg., Des Moines, Ia., for buildings on fair grounds. About $100,000.

Mo., Kansas City—Court House—Jackson Co. election Nov. 2 to vote on $5,000,000 bonds to build court house. P. J. Kelly, clk. A. L. Cooper, atty. for court. Architect not selected.

Mo., Springfield—Y. M. C. A. having plans prepared by F. H. Miller, archt., for 3 story, 60 x 110 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $100,000.

Tex., Paris—School—City issued $225,000 bonds to build 3 story school. Architect not selected. Noted May 6.

Okla., Talihina — Hospital — State Bd. Affairs, Oklahoma, plans to build 2 story hospital for tuberculosis, here. About $200,000. G. Smith, chn. Architect and engineer not decided.

Col., Denver — Schools — School Dist. plans election Oct. 21 to vote on $2,000,000 bonds to construct and improve various schools.

Wash., Seattle—Fire Station—City plans to build 2 story, mill construction, on 4th and Battery Sts. About $200,000. D. Huntington, city engr.

Sask., Biggar — Hospital — Hospital soon receives bids building hospital. A $100,000. J. M. Morrison, 324 Drinkle Saskatoon, archts.

BIDS DESIRED

N. Y., Great Neck—Schools—Until 4, by Bd. Educ. Union Free Dist. 7 of N Hempstead, at High School Bldg., constructing school on Middle Neck and Arrandale Ave., also on 10th St Nassau Rd. F. Dickerson, pres.; ad tised in this issue.

N. Y., Port Chester—Theatre—U Sept. 25, by W. H. McElfatrick, ar and engr., 701 7th Ave., New York C building brick, steel and stone, brick fo dation, here, for Ponty & Wein, P Chester. About $350,000.

Pa., New Castle—Bank—Until Sept by Mowbray & Uffinger, archts. and engrs 56 Liberty St., New York City, building story, 50 x 100 ft., brick and stone, brick foundation, for Lawrence Savings Bank & Trust Co., 223 East Washington St. About $150,000. Noted June 17.

Md., Baltimore—Theatre—Until Sept. by Lachman & Murphy, archts. and engrs Drexel Bldg., Phila., building 1 story, 5 x 145 ft., brick, steel and concrete, at 1317 North Pennsylvania Ave., here, for Douglas Amusement Co., c/o architects. Cost to ex ceed $100,000. Noted Sept. 2.

Md., Sparrows Point — Hospital — Until Sept. 22, by J. E. Sperry, archt., 409 Calvert Bldg., Baltimore, building 3 story, brick, stone, rein.-con. and terra cotta, concrete foundation, here, for Bethlehem Steel Corp., Bethlehem, Pa. About $150,000. C. L. Reeder, Park Ave. and Saratoga St., Baltimore, engr. Noted July 8.

O., Springfield — Courthouse—Until Oct. 7, by Comrs. Clark Co., remodeling 3 story, rein.-con., steel and brick, rein.-con. flooring. About $95,000. W. K. Shilling, Fox Hollow Farm, R. D. 7, archt. Noted Aug. 12.

O., Springfield — School — Bd. Educ. receiving bids building 3 story, 119 x 138 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Bway. About $200,000. O. D. Howard, 8 East Broad St., Columbus, archt.

Ind., Indianapolis — Office — See "Industrial Works."

Ind., Indianapolis—School—Bd. School Comrs. receiving bids building 2 story, 250 x 400 ft., rein.-con., brick and steel, on East Michigan St. About $225,000. D. A. Bohlen & Son, Majestic Bldg., archts.

Mich., Detroit—Hospital—Until Sept. 20, by Mildner & Eisen, archts., 924 Hammond Bldg., constructing 2 story, 40 x 105 ft., rein.-con. and brick addition, rein.-con. flooring, on Jefferson Ave., for Evangelical Deaconess Hospital.

Minn., Minneapolis—School—Until Sept. 20, (change of date), by Bd. Educ., building 2 story, 58 x 158 ft., rein.-con., brick and stone addition to Clinton School, on 28th St. and 4th Ave. S. About $200,000. G. F. Womrath 305 City Hall, business supt. Noted Sept. 9.

Mo., Elvins—School—Until Sept. 28, by Bd Educ. building 3 story, 45 x 150 ft., rein.-con. and brick, rein.-con. flooring. About $100,000. J. H. Felt & Co., Grand Ave. Temple, Kansas City, Mo., archts. and engrs. Noted Aug. 12.

Col., Cheyenne Wells—High School—Until Sept. 21, by Bd. Educ. building 2 story, 125 x 168 ft., concrete, brick and steel, concrete foundation. About $100,000. Montjoy, French & Frewen, Chamber Commerce Bldg., Denver, archts.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Augusta**—Hotel—Augusta House, 168 State St. let contract building 4 story, 26 x 130 ft., brick and steel addition, rein.-con. flooring, concrete foundation, to D. B. Frost Co., Augusta. Noted Sept. 2.

★**Me., South Brewer** — School — St. Theresa Society let contract building 2 story, 35 x 75 ft. concrete, brick and steel, rein.-con. flooring, concrete foundation, to J. Grady & Son, 19 Davis St., Bangor. About $100,000. Noted Sept. 9.

★**N. H., Manchester**—Schools—City let general contracts building (1) Franklin St. School, (2) West Side High School, (3) Practical Arts High School, to I. F. Woodbury, 185 Summer St., Boston, Mass., (1) $267,500; (2) $399,000, (3) $645,7[illegible]. Noted Aug. 12.

Buildings (Continued)

★**Mass., Boston**—Office—Desmond & Ford, archts., 15 Beacon St., let contract to L. P. Soule & Son Co., 80 Boylston St., building 8 story, 90 x 125 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, on Arlington Ave., for Massachusetts Bonding & Insurance Co., 77 State St. About $500,000. Noted Apr. 1.

★**Mass., Pittsfield**—Store and Office—Harding & Seaver, archts., 7 North St., let contract to C. H. Cunningham & Son Co., 3 Central Ave., Lynn, building 2 story, 62 x 130 ft., brick, concrete and terra cotta, rein.-con. flooring, concrete foundation, on North St., here, for W. T. Grant Co., 28 West 23rd St., New York City. Noted Sept. 2.

★**R. I., Providence**—Business—J. and L. Samuels, 176 Weybosset St., let contract building 5 story, 78 x 148 ft., brick and concrete, rein.-con. flooring, concrete foundation, on Eddy and Pine Sts., to Williams & Merchant, Inc., 728 Hospital Trust Bldg. About $200,000.

★**Conn., Putnam**—Hospital—Day-Kimball Hospital, 175 Pomfret St., let contract building 3 story, 35 x 105 ft., brick, steel and concrete addition, rein.-con. flooring, concrete foundation, to General Bldg. Co., 522 Harrison Ave., Boston.

★**Conn., Waterbury**—Theatre—Foti and others, c/o C. J. Bailey, archt., 95 Bank St., will build 1 story, 70 x 110 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on South Main St. About $125,000. Work will be done by day labor.

N. Y., Morris Park (Jamaica P. O.)—School—Bd. Educ. received bids Sept. 9, building P. S. 57, from P. Cleary, 115 Marion St., Brooklyn, $319,700; T. A. Clark Co., 122 Livingston St., Brooklyn, $327,300; T. Dwyer, Bway. and 216th St., New York City, $349,000.

★**N. Y., New York**—Exchange—New York Telephone Co., 15 Dey St., let contract altering and building brick and steel addition, concrete foundation, on West 89th St., to Clough-Bourne Corp., 101 Park Ave. About $100,000. Noted May 6.

★**N. Y., New York**—Home—Bronx Society for Prevention of Cruelty to Children, 355 East 137th St., let contract building 7 story, 96 x 135 ft. brick and stone, concrete foundation, on Park Ave. and 160th St., to Niewenhous Bros., 316 East 161st St. About $350,000. Noted May 13.

N. Y., New York — Market — Dept. Pub. Markets received bids Aug. 26 altering and repairing Harlem, Queensboro, Washington, Jefferson and West Washington Markets, from N. B. Smyth, 417 East 34th St., (Item 15) $61,596; M. D. Lundin, 235 East 122d St., (Item 3) $19,170.

★**N. Y., New York**—Office—Standard Oil Co. of New York, 26 Bway., let contract building 5 story extension and 12 story addition, brick, steel and stone, concrete foundation, at 18 Bway., to C. T. Wills, 286 5th Ave. Noted April 1.

★**N. J., Newark**—Exchange—New York Telephone Co., 15 Dey St., New York City, let contract building 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Avon Ave., here, to W. L. Crow Constr. Co., 103 Park Ave., New York City. About $200,000. Noted July 8.

★**O., Cincinnati**—Theatre—S. and L. Schubert, Inc., 225 West 44th St., New York City, let contract building brick and stone, brick foundation, to E. Margolies, 19 East 33rd St., New York City. About $500,000. Noted May 27.

★**O., Columbus**—Church—Welsh Presbyterian Church, O and Long Sts., let contract excavating and building foundation for 2 story, 67 x 115 ft., brick, stone and steel, on Miami Ave. near Long St., to J. Pugh, 1471 East Long St.; cut stone work, to J. Kientz, 788 South 5th St.; brick work, to L. C. Heistler, Columbus; steel work, to C. E. Morris & Co., Curtis and Jefferson Sts. Total cost $125,000. Noted Feb. 12.

★**O., Lakewood** (Cleveland P. O.)—School—Bd. Educ. let general contract building 2 story 54 x 90 ft., rein.-con., brick and steel addition, rein.-con. flooring, brick and concrete foundation, on Clifton Blvd. and Summit Ave. to Schirmer-O'Hara Co., Ryder Bldg., $74,300; heating, to Price & Welker, 707 Canal Rd., $16,645. Noted Sept. 9.

★**O., Springfield**—Office and Welfare—Springfield Malleable Iron Co., 37 Bechtle Ave., let contract constructing 2 story, 87 x 100 ft., at factory site, to Concrete Constr. Co., Springfield. About $120,000.

★**Ind., Evansville**—Theatre and Hotel—Standard Evansville Realty Co. let contract building 6 story, 144 x 148 ft., rein.-con., brick and steel, concrete foundation, to M. J. Hoffman Constr. Co., Furniture Bldg. About $1,000,000.

★**Ind., Petersburg**—Court House—Comrs. Pike Co. let contract building 3 story, 110 x 110 ft., stone, brick and steel, rein.-con. flooring, to R. N. Good, Columbus. About $127,000.

★**Ind., Sullivan**—Office—Mutual Truck Co. let contract building 2 story, 80 x 100 ft. rein.-con., brick and steel, rein.-con. flooring, to M. J. Hoffman Constr. Co., Furniture Bldg., Evansville.

★**Ill., De Kalb**—Hospital—J. A. Solon let masonry contract building 3 story, brick and timber, concrete foundation, to A. Guldberb, De Kalb; carpentry, to C. Eckstrom, DeKalb. Total cost, $150,000. Noted, Aug. 19.

★**Ia., Aurelia**—School—Bd. Educ let contract building 3 story, 78 x 166 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, to W. J. Zitterell, Webster City. About $175,000; cost plus percentage basis.

★**Ia., Liberty Center**—School—Bd. Educ. let contract building 2 story, brick, rein.-con. and stone, to W. J. Kucharo, 622 Hubbell Bldg., Des Moines. About $100,000. Noted June 24.

Minn., Faribault—School—State Bd. Control, St. Paul, received (general contract) bids constructing 2 buildings at State School, here, from E. Bjorklund, 786 Como Blvd., St. Paul, $86,507; H. J. Frandsen, 510 Rice St., St. Paul, $92,000; R. C. Elvin & Co., 852 Plymouth Bldg., Minneapolis, $95,890. Total cost to exceed $100,000.

★**Mo., Kansas City**—Office—Bagby & Co., Orear-Leslie Bldg., let contract building 10 story, 50 x 142 ft., rein.-con., brick and terra cotta, rein.-con. flooring, at 1014 Baltimore St., to Swenson Constr. Co., Shubert Bldg. About $250,000; cost plus percentage basis.

★**Tex., Austin**—Hospital—State Bd. Control let contract building 2 story, 86 x 128 ft., brick, rein.-con. and steel, rein.-con. flooring, on West 6th St., to Walsh & Burney, Littlefield Bldg. About $138,000. Noted Aug. 26.

★**Col., Denver**—Office—Denver Rock Drill Co., 39th and Gilpin Sts., will build 3 story, 75 x 125 ft., concrete. About $100,000. Work will be done by day labor.

Federal Government Work

PROPOSED WORK

Mass., Chelsea—Lighting System—Spec. 4281—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to alter and build additions to lighting system, at Naval Hospital, here; $10 deposit required for plans and spec. Noted Sept. 2.

Pa., Phila.—Concrete Foundations for Turrets and Crane Track—Spec. 4299—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon receives bids building, at Navy Yard, here. Work involves 12 and 15 in. rein.-con. slabs, crane track including concrete footings, pile foundation rails and accessories, conductor rail, underground electric conduit system, air line, etc.; $10 deposit required for plans and spec.

Md., Aberdeen—Steel Hangar—Construction Quartermaster, here, soon receives bids building 1 steel hangar, on proving ground, to accommodate navy type C-2 airship.

Md., Annapolis—Boiler Plant Equipment and Piping—Spec. 4292—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install, here.

D. C., Wash.—Pumping Facilities—U. S. Engrs Office preparing plans for pumping facilities for Key Bridge, to include electrically driven pumps, etc. About $100,000.

Va., Ft. Meyer—Quartermasters' Shops—Construction Quartermaster, here, soon receives bids building quartermasters' shops.

Va., Hampton Roads—Seaplane Runway—Spec. 4267—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build at Naval Operating Base, here, to have wood piles, concrete walls, piers and platform; $10 deposit required for plans and spec. Noted Aug. 19.

Ga., Camp Bennings—Infantry School—Construction Quartermaster, here, soon receives bids building infantry school.

Tex., Ft. Crockett—Machine Shop—Construction Quartermaster, here, soon receives bids building addition to machine shop.

Wash., Ft. Worden—Machine Shop—Construction Quartermaster, here, soon receives bids building machine shop.

Wash., Keyport—Double Radio Quarters—Spec. 4291—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here.

Wash., Puget Sound—Double Radio Quarters—Spec. 4290—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here.

Ore., Marshfield—Radio Quarters and Post Office—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build double radio quarters and remodel post office.

Ore., Ft. Stevens—Machine Shop—Construction Quartermaster, here, soon receives bids building machine shop.

Cal., Ft. Winfield Scott—Machine Shop—Construction Quartermaster, here, soon receives bids building machine shop.

BIDS DESIRED

R. I., Providence—Dredging—Until Oct. 11, at U. S. Engr. Office, dredging in Thames River, Conn; advertised in this issue.

N. Y., Brooklyn—Electric Distributing System—Spec. 4286—Until Sept. 29, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building, here; advertised in this issue.

Pa., Phila.—Steel Dump Scows—Until Oct. 14, at U. S. Engr. Office, furnishing and delivering, here; advertised in this issue.

D. C., Wash. — Hoisting Plant — Until Oct. 30, by A. L. Flint, genl. purch. office, Panama Canal, Wash., D. C., purchasing hoisting plant (for handling coal and general merchandise); advertised in this issue.

D. C., Wash.—Electric Traveling Cranes—Spec. 4239—Until Sept. 22, by Bureau Yards & Docks, Navy Dept., delivering 40 ton electric traveling bridge cranes at Navy Yard, Phila. and New York. Noted Aug. 26.

D. C., Wash.—Storehouse—Spec. 4155—Until Sept. 29, by Bureau Yards & Docks, Navy Dept., building storehouse for combustibles, here; $10 deposit required for plans and spec. Noted Sept. 2.

Va., Hampton Roads—Drainage System—Spec. 4121—Until Sept. 29, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building, here; $10 deposit required for plans and spec.

Va., Norfolk—Conduit, Dam, etc.—Until Oct. 11, at U. S. Engr. Office, building rein.-con. conduit, earth dam, bank protection and dredging in Appomattox River, at Petersburg; advertised in this issue.

Va., Quantico — Water Supply Main — Spec. 4200—Until Sept. 22, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building 16 in. c.i. water supply main at Marine Barracks, here. Noted Sept. 2.

N. C., Wilmington — Remodeling Post Office—Until Sept. 30, by Treas. Dept., Wash., D. C., remodeling (except life), here, J. A. Wetmore, superv. archt.

Tenn., Memphis — Steel Barges — Until Oct. 11, by Mississippi River Comn., 1st and 2nd Dists., Custom House, furnishing 5 steel barges; advertised in this issue.

Mo., St. Louis—Earthwork—Until Sept. 30, at office of Secretary Mississippi River Comn., 1311 International Life Bldg., building 55,000 cu.yd. earthwork in Riverland Levee Dist.; advertised in this issue.

N. M., Albuquerque — Surfacing — Until Sept. 28, by Bureau Pub. Rds., U. S. Dept. Agriculture, Room 218, Luna-Strickler Bldg., gravel surfacing 7.5 mi. Mondo-Moscalero Project, Lincoln Natl. Forest, Lincoln Co., involving 5.7 mi. subgrading and 7,500 cu.yd. 1 course gravel. E. S. Wheeler, dist. engr.

Cal., Mare Island — Concrete Paving — Spec. 4296—Until Sept. 21, by Local Navy Yard, concrete paving Railroad Ave. between 12th and 14th Sts., along north end of structural shop, with cross connection to 12th St., certain approaches to structural shop, also sidewalk along west side of structural, involving 4,800 sq.yd. pavement and 700 sq.yd. sidewalk; $10 deposit required for plans and spec; payable to C. W. Parks, ch. Bureau Yards & Docks, Wash., D. C.

Cal., San Diego—Fleet Supply Storehouse—Spec. 4264—Until Sept. 29, by Pu-

Federal Government Work (Continued)

reau Yards & Docks, Navy Dept., Wash., D. C., also at office of Pub. Wks. Officer, U. S. Navy, San Diego, building at foot of Bway., here; advertised in this issue. Noted Sept. 9.

Cal., San Diego — Quartermaster Storehouse—Spec. 4280—Until Oct. 6, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building at marine base, here. Noted Sept. 2.

Cal., San Diego — Hospital Buildings — Spec. 4300—Until Oct. 13, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing 6 hospital buildings at Marine Corps Base here; $30 deposit required for plans and spec.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., South Boston** (Boston P. O.)—Tracks—Spec. 4196—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract completing railroad tracks for dry dock at U. S. Naval Dry Dock here to M. Seretto, 3 Tremont Row, Boston, $134,750 (120 days). Noted Aug. 19.

★**Del., Wimington**—Dredging—U. S. Engr., War Dept., Wash., D. C., let contract dredging in St. Johns River, here, to Delaware Dredging Co., Colonial Trust Bldg., Phila., Pa., $8,293.

S. C., Columbia — Post Office — Treas. Dept., Wash., D. C., receives bids Sept. 3 completing here, from Northeastern Constr. Co., 101 Park Ave., New York City, $144,210; Westchester Eng. Co., 111 Main St., White Plains, N. Y., $146,500; N. C. Heslep and A. J. Bethea, 1209½ Washington St., $147,000. Noted Aug. 5.

S. C., Paris Island—Improving Hospital—Spec. 4262—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Sept. 8 repairing at Marine Barracks here (1) work complete, from Newport Contg. & Eng. Co., Silsby Bldg., (1) $13,835 (120 days); N. Clifford, 322 28th St., (1) $16,200 (120 days), both contractors of Newport News, Va. Noted Aug. 26.

★**Miss., Vicksburg**—Stern Wheel Steel Towboat Hull—Mississippi River Comn., 3rd Dist., let contract building steel hull for towboat "Control," to Dravo Contg. Co., Diamond Bank Bldg., Pittsburgh, Pa., $35,533. Noted Aug. 5.

★**Tenn., Memphis**—Levee Work—Mississippi River Comn., 1st and 2nd Dists., let contract for levee work in Upper and Lower Francis and White Levee as follows: Sta. 36/13 to 36/52, Upper St. Francis Levee and Sta. 158/38, Lower St. Francis Levee, to Roach, Stansell Lawrence Bros. & Co., North Memphis Savings Bank Bldg., $90,000 and $22,200 respectively; Sta 29/24 to 30/52, Lower St. Francis Levee, to M. Jennings & Bros., Caruthersville, Mo., $133,200; Sta. 20/11 to 20/23, 21/20 to 21/28 and 50/10 to 50/36, White River Levee, to W. H. Dennison, Cushman, Ark., $73,500. Total cost, $318,900.

★**Mo., St. Louis**—Stern Wheel Steamboat—Secretary Mississippi River Comn., 1311 International Life Bldg., rejected bids received Aug. 30 rebuilding and delivering. Work will be done by day labor. Noted Aug. 5.

★**Utah, Park City** — **Post Office** — Treas. Dept., Wash., D. C., let contract building here, to Campbell Bldg. Co., Newhouse Bldg., Salt Lake City, $20,452. Noted Aug. 12.

Miscellaneous

PROPOSED WORK

Memorial Gate—Worcester, Mass.—Sheehant & Colleary, archts, 120 Boylston St., Boston, soon lets contract building large stone memorial gate on campus for Holy Cross College, Alumni Assn. Cost to exceed $25,000.

Conduit System—New Britain, Conn.—City plans to construct vitr. hollow tile and wood fiber conduit system, 10,000 ft. on West Main St. and 50,000 ft. on Park St. J. D. Williams, City Hall, engr.

Bins—Buffalo, N. Y.—Maretime Trading Corp., 16 Pratt St., plans to build four 16 x 70 ft. concrete and tile grain elevator bins, on Hopkins St. About $50,000. L. R. Veatch, 428 Pratt St., archt.

Flume—Trenton, N. J.—See "Streets and Roads."

Bath House and Swimming Pool—Dallas, Tex.—City had plans prepared building bath house, also 60 x 120 ft. swimming pool 4-9 ft. deep, at Gaston Park. About $43,851. G. D. Fairtrace, city engr.

Lighting System — Ayton, Ont. — R. H. Fortune, Ayton, plans to build lighting system here; power will be obtained from Ontario Hydro Comn. About $25,000.

BIDS DESIRED

Laundry Equipment, etc.—Binghamton, N. Y.—Until Oct. 6, by State Hospital Comn., Capitol, Albany, for laundry equipment, renewal of electric wiring, extension of electric lines, etc., at laundry building of State Hospital, here. E. S. Elwood, secy.; advertised in this issue.

Piles, Bulkhead, etc.—Brooklyn, N. Y.—Until Oct. 13, by E. S. Walsh, supt. pub. wks., Capitol, Albany, driving foundation piles for proposed grain elevator, building bulkhead wall along Henry St. slip and dredging Henry St. Basin at Gowanus Bay here (Contr. 79); advertised in this issue.

Borings—Long Island City, N. Y.—Until Sept. 20, by M. E. Connolly, pres. Queens Boro., furnishing labor and material for making 4,000 lin.ft. vertical borings in Jamaica Bay Blvd. from point 1,396 ft. south of Sheridan Ave. to south bulkhead line of Jamaica Bay.

Tunnels, Conduits, etc.—Marcy, N. Y.—Until Oct. 6, by State Hospital Comn., Capitol, Albany, building tunnels, conduits and heating work for service connections, sanitary work, sewerage and water supply systems, and electrical generator set and underground electric service connections, for Utica State Hospital, Marcy Div., here. E. S. Elwood, secy.; advertised in this issue.

Motor Trucks, etc.—New York, N. Y.—Until Sept. 24, by Bd. Purchase, Room 526, Municipal Bldg., furnishing and delivering motor trucks, wrecking cars, etc. for Dept. Street Cleaning; laundry and cleaning supplies for Depts. Bellevue and Allied Hospitals, Pub. Welfare and Water Supply, Gas and Electricity.

Foundation Piers—Oswego, N. Y.—Until Oct. 13, by E. S. Walsh, supt. pub. wks., Capitol, Albany, building concrete foundation piers for proposed grain elevator on Barge Canal Terminal Pier here; advertised in this issue.

Sanitary Work—Utica, N. Y.—Util September 29, by State Hospital Comn., Capitol, Albany, for sanitary work and renewing plumbing in Infirmary Bldg. of Utica State Hospital. E. S. Elwood, secy.; advertised in this issue.

Dump Cars—Toledo, O.—Central Mchy. & Equipment Co., 343 Spitzer Bldg., receiving bids for six 36 in. gauge, 2 yd. 2 way dump cars.

Locks—Chicago, Ill.—Until Oct. 18, by F. I. Bennett, dir. Dept. Pub. Wks. & Bldgs., Div. Waterways, 25 East Jackson Bld., building Marseilles Lock, near Bell Island, in Illinois River. M. G. Barnes, ch. engr.; advertised in this issue.

Steam Shovel—Ft. Scott, Kan.—D. P. Thomas, c/o Ft. Scott Hydralatic Cement Co., receiving bids for ¾ or ⅞ yd. steam shovel, preferably Erie.

Dams—New Brunswick—Until Sept. 21, by New Brunswick Electric Power Comn., Canada Permanent Bldg., St. John, building 3 earth dams, one over East Branch of Musquash River, 12 mi. from St. John and 1 mi. from line of New Brunswick Southern Ry., including spillway, intake, by-pass, etc. and grading a bed to carry a penstock from dam to power house, one over West branch of Musquash River, 12 mi. from St. John and 1 mi. from line of New Brunswick Southern Ry., including items named above together with construction of canal and grading for penstock from dam to power house; and other over Shogomac River, 40 mi. north of Fredericton on line of St. John & Quebec Ry., including items named above together with construction of canal and grading for penstock from dam to power house. C. O. Foss, ch. engr.

Sprinkler and Flusher — Verdun, Que. — City receiving bids for a 14,000 gal. motor sprinkler and flusher. A. L. Ghysens, city engr.

Wall—Chatham, Ont.—Until Sept. 30, by Dept. Pub. Wks., Ottawa, building 182 ft. revetment wall. About $35,000. E. Lafleur, c/o Dept. Pub. Wks., engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Breakwaters—Bridgeport, Conn.**—City Bd. Park Comrs. let contract building 2 breakwaters in Long Island Sound, one from Steeplechase Island and other from Seaside Park to Bridgeport Light, involving 4,000 tons stone, etc., to Bridgeport Dredge & Dock Co., 1024 Main St.

★**Pier and Approach—Barren Island, N. Y.** (Brooklyn P. O.)—M. Hulbert, comr. docks, Pier "A," ft. of Battery Pl., New York City, let contract building concrete pier and approach north of here, to A. M. Hazell, 26 Cortland St., New York City, $84,934. Noted Aug. 26.

Feeder and Cables—Brooklyn, N. Y.—Fire Dept. received bids Sept. 2, furnishing and installing underground feeder and telephone cables between new and old Central Office, from J. Sudgen Co., $39,271.

Dock Wall, Yards and Jib Cranes—Buffalo, N. Y.—E. S. Walsh, Supt. Pub. Wks., Albany, received bids Sept. 9, building (a) dock wall around Ohio Basin, here (Terminal Contr. 53-A), (b) storage yards at Erie Basin, here (Terminal Contr. 76), (c) furnishing and installing two 3 ton semi-portal revoving jib cranes on Barge Canal at Erie Basin, here, (Terminal Contr. 111) from Grant, Smith & Co., 918 Downer Ave., Utica, (a) $579,830; Empire Eng. Co., Inc., 6 Church St., New York City, (a) $596,38[illegible] (b) $22,825; Great Lakes Dredge & Dock Co., Morgan Bldg., (a) $621,487; Mohawk Dredge & Dock Co., Inc., Manion Blk., Herkimer, (b) $22,520; Heyl & Patterson, Inc., 90 West St., New York City, (c) $19,857; Shepard Electric Crane & Hoist Co., Main St., Montour Falls, (c) $25,970. Noted Aug. 12.

★**Pier—New York, N. Y.**—M. Hulbert, comr. docks, Pier "A," ft. of Battery Pl., let contract building concrete pier on East 29th St., to A. M. Spooner & Son, Pier 11, North River, $34,756. Noted Aug. 26.

Removing Sludge, etc.—New York, N. Y.—H. H. Curran, pres. Manhattan Boro., received bids for removing sludge from sewers, etc., from J. D. Malloy, $59,400; P. J. Kearns, 2306 Creston St., $70,200; P. J. Healey, Grand Central Palace, $76,500; furnishing and delivering wood paving block, from Amer. Creosoting Co., 17 Battery Pl., $7,397.

★**Road Material—New York, N. Y.**—H. H. Curran, pres. Manhattan Boro., let contract furnishing and delivering 200,000 gal refined asphalt, to Warner Quinlan Co., 79 Wall St., $20,700; 10,000 bags portland cement, to J. A. McCarthy, 551 Exterior St., $12,475; 1,500 cu.yd. paving sand, to H. W. Young, $3,075; castings, etc., to Central Fdry. Co., 90 West St., $13,436. Noted Aug. 19.

Trucks and Tractors—New York, N. Y.—Bd. Purchase, Municipal Bldg., received bids furnishing and delivering 100 gasoline motor driven trucks, from International Motor Co., 252 West 64th St., $366,766; White Co., Madison Ave. and 45th St., $420,747; Pierce Arrow Co., 233 West 54th St., $436,153; furnishing and delivering 150 tractors, from J. T. Tractor Co., $185,000; Holt Mfg. Co., 50 Church St., $212,500; Cleveland Tractor Co., 1780 Bway., $218,200. Noted Aug. 26.

Terminal—Rouses Point, N. Y.—E. S. Walsh, Supt. Pub. Wks., Albany, received only bid Sept. 9, completing terminal, here. Terminal Contr. 26-A, from W. F. Martens, 53 Franklin St., Rochester, $33,940. Noted Aug. 12.

Yard—New York, N. Y.—J. H. Delaney, comr. Transit Constr., 49 Lafayette St., received bids Aug. 31 building portion 7th and Lexington Aves., Rapid Transit R.R., from O. Daniels, Woolworth Bldg., $596,000; Rogers & Haggerty, $623,000; Rice & Ganey, 421 East 42d St., $646,000. Noted Aug. 26.

Retaining Wall, etc.—Cleveland, O.—Bd. Educ., East 6th St. and Rockwell Ave., received low bid Sept. 6, building retaining wall, iron fence, grading and laying brick driveways and stone walks, at North Doan School, on East 105th St. near St. Clair Ave., from Bolton-Pratt Constr. Co., Columbia Bldg., $28,600. Noted Aug. 12.

★**Piles, etc., Detroit, Mich**—Water Bd., 232 Jefferson Ave., let contracts to Raymond Concrete Pile Co., Owen Bldg., furnishing labor and material for driving 438,000 lin.ft. concrete piles, at $2,085 per lin. ft., also excavating 50,000 cu.yd. earth, $2.48, total $1,037,230. Noted July 29.

★**Dam, etc.—Barron, Wis.**—Barron Light & Water Comn. let contract building concrete dam, 120 ft. wide, also spillway and tailing gates, across Yellow River, to Siems, Helmers & Schaffner, 514 Guardian Life Bldg., St. Paul, Minn.

★**Elevator—Bazine, Kan.**—Associated Mill & Elevator Co., New York Life Bldg., Kansas City, let contract building 26 x 27 ft. rein.-con. elevator, 90 ft. high, 20,000 bu. capacity, to F. Kaucher Co., Grand Ave., Temple, Kansas City, Mo. Cost plus percentage basis.

★**Wharf—St. Francois D'Orleans, Que.**—Dept. Pub. Wks., Ottawa, Ont., let contract repairing wharf, here, to S. Ratte, St. Anne de Beaupre. About $33,000; cost plus percentage basis. Noted June 17.